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LIST

OF THE

SPECIMENS

OF

BRITISH ANIMALS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

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PART VI.—HYMENOPTERA ACULEATA.

PRINTED BY ORDER OF THE TRUSTEES.

LONDON, 1851.

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CH.5749
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Ref: 016.595
Bai/Li

LONDON:
PRINTED BY EDWARD NEWMAN,
9, DEVONSHIRE ST., BISHOPSGATE.

INTRODUCTION.

THE principal object of the present Catalogue has been to give a complete list of the species of Aculeate Hymenopterous Insects that have been recorded as found in Great Britain, indicating at the same time their localities, and the species that are contained in the Collection; the latter are indicated by the letters B. M. annexed.

This Catalogue of Hymenopterous Insects has been prepared and the new species described by MR. FREDERICK SMITH, so well known for his attention to this order of Insects.

JOHN EDWARD GRAY.

British Museum,
Sept. 10th, 1851.

CATALOGUE

OF

BRITISH HYMENOPTERA.

Order HYMENOPTERA, *Linn.*

Division 2. ACULEATA, *Latr.*

Tribe 1. *HETEROGYNA, Latr.*

Family 1. FORMICIDÆ, *Leach.*

1. FORMICA.

Formica, pt., *Linn. Faun. Suec.* 426, 1761.
Lasius, pt., *Fab. Syst. Piez.* 415, 1804.

1. FORMICA RUFA. The Wood Ant. B. M.

Formica rufa, *Linn. Faun. Suec.* 1721. *Scop. Ins. Carn.* 836. *De Geer, Ins.* 2, 1053, i. t. 41, f. 1, 2. *Fab. Syst. Ent.* 391, 4. *Schrank, Ins. Aust.* 834. *Fourc. Ent. Paris*, ii. 452, 4. *Rossi, Faun. Etrus.* ii. 113, 936. *Christ.* 510, t. 60, f. 7, 8. *Don. Brit. Ins.* 14, 76, t. 496. *Lat. Fourm.* 143, t. 5, f. 28. *Jurine, Hym.* 272. *St. Farg. Hist. Nat. Ins.* i. 201, 3. *Curtis, Brit. Ent.* 16, t. 752 *Zett. Ins. Lapp.* 448, 3.
Formica dorsata, *Panz. Faun. Germ.* 54, 1. ♀.
Formica Herculanea, *Sam. Comp.* 69, t. 8, f. 10.

Formica maxima, *Ray, Hist. Ins.*
The Hill-Ant, *Gould's Ants*, ii. 1.
La Fourmi brune, à corcelet fauve, *Geoff. Ins.* ii. 428, 4.
Hub. Fourm. 320.

HAB.—Britain.

2. FORMICA SANGUINEA. The Warrior Ant. B. M.

Formica sanguinea, *Latr. Hist. Nat. Fourm.* 150, t. 5, f. 29. *Jurine, Hym.* 272. *Huber, Fourm.* 326, t. 2, f. 5, 6, 7. *St. Farg. Hist. Nat. Ins.* i. 203, 4.
Formica cephalotes Europea, *Christ. Hym.* 511, t. 60, f. 9.

HAB.—Hants, Shirley, Surrey, in Banks.

3. FORMICA CUNICULARIA. The Mining Ant. B. M.

Formica cunicularia, *Latr. Hist. Nat. Fourm.* 151. *St. Farg. Hist. Nat. Ins.* i. 203, 5.
Formica obsoleta, *Latr. Essai*, 38.
Formica pratensis, *Oliv. Enc. Méth*, vi. 504.
Formica media, *Ray, Hist. Ins.* 69.
Huber, 324, 2, f. 11, 12, 13.

HAB.—Highgate, Banks, &c.

4. FORMICA BRUNNEA. The Brown Ant. B. M.

Formica brunnea, *Latr. Hist. Nat. Fourm.* 168, t. 6, f. 35, A.
Formica pallida, *Latr. Essai*, 41.
Formica brunnea, *Jurine*, 273.

HAB.—Hampstead, Banks, &c.

5. FORMICA NIGRA. The Garden Ant. B. M.

Formica nigra, *Linn. Faun. Suec.* 1723. *Scop. Ent. Carn.* 834. *De Geer, Ins.* ii. 1085, 4, t. 42, f. 16. *Schrank, Ins. Aust.* 832. *Rossi, Faun. Etrus.* ii. 113, 937. *Fab. Ent. Syst.* ii. 352, 10. *Latr. Hist. Nat. Fourm.* 156. *St. Farg. Hist. Nat. Ins.* i. 206, 7.
Lasius niger, *Fab. Syst. Piez.* 415, 1.
Formica minor, *Ray, Hist. Ins.* 69.

Swamm. Bibl. Nat. t. 16, f. 1—11.
The small black Ant, *Gould, Eng. Ants*, ii. 5.
La Fourmi toute noire, *Geoff. Ins. Par.* ii. 429, 6.

HAB.—Britain, Banks.

6. FORMICA FUSCA. The Ash-coloured Ant. B. M.

Formica fusca, *Linn. Faun. Suec.* 1722. *De Geer, Ins.* ii. 1082, 3, t. 42, f. 12, 15. *Schrank, Ins. Aust.* 413, 833. *Oliv. Enc. Méth.* vi. 433. *Fab. Ent. Syst.* ii. 352, 11. *Latr. Hist. Nat. Fourm.* 159, t. 6, f. 32. *Jurine, Hym.* 272. *St. Farg. Hist. Nat. Ins.* 205, 6. *Zett. Ins. Lapp.* 448, 4.
Formica libera, *Scop. Ent. Carn.* 313, 835.
Formica nigra, *Christ.* 510, t. 60, f. 6. ♂
La Fourmi toute brune, *Geoff. Ins. Par.* ii. 428, 5.
Huber, Fourm. 322, t. 2, f. 8, 9, 10.

HAB.—Britain, Banks.

7. FORMICA FULIGINOSA. The Jet Ant. B. M.

Formica fuliginosa, *Latr. Hist. Nat. Fourm.* 140, t. 5, f. 27, *a. b. St. Farg. Hist. Nat. Ins.* i. 200, 2.
Formica media, *Ray, Hist. Ins.* 69?
The Jet Ant, *Gould, Eng. Ants*, 3.

HAB.—Britain, Trunks of trees, &c.

8. FORMICA FLAVA. The Turf Ant. B. M.

Formica flava, *De Geer, Ins.* ii. 1089, 5, t. 42, f. 24. *Fab. Ent. Syst.* ii. 357, 34. *Latr. Hist. Nat. Fourm.* 166, t. 6, f. 36, *a. Oliv. Enc. Méth.* vi. 496. *St. Farg. Hist. Nat. Ins.* i. 208, 9.
Formica minor rubescens, *Ray, Ins.* 69.
The common Yellow Ant, *Gould, Eng. Ants*, 3.
Huber, Fourm. 52.

HAB.—Britain, Meadows and banks.

Fam. 2. MYRMICIDÆ, *Smith.*

1. MYRMICA.

Formica, pt., *Linn. Syst. Nat.* i. 962, 1766.
Myrmica, *Latr. Gen. Crust. Ins.* iv. 131.
Manica, *Jurine, Hym.* 276, 1807.

1. MYRMICA RUBRA. The Red Ant. B. M.

Formica rubra, *Linn. Syst. Nat.* 963, 7. *De Geer, Ins.* ii. 1093, 6, t. 43, f. 1. *Schrank, Ins. Aust.* 415, 837. *Oliv. Enc. Méth.* vi. 493. *Fabr. Ent. Syst.* 353, 14. *Don.* 14, 87, t. 503. *Latr. Hist. Nat. Fourm.* 246, t. 10, f. 62.
Myrmica rubra, *Latr. Gen. Crust. Ins.* 131. *St. Farg. Hist. Nat. Ins.* i. 181, 2, t. 2, f. 3, ♂.
Formica minima rubra, *Ray, Ins.* 69.
The Red Ant, *Gould, Eng. Ants,* ii. 3.
Manica rubra, *Jurine,* 279.
Huber, Fourm. 59.

HAB.—Britain, Meadows, Banks, &c.

2. MYRMICA CÆSPITUM. B. M.

Formica cæspitum, *Linn. Faun. Suec.* 427, 1726. *Scop. Ins. Carn.* 837. *De Geer, Ins.* ii. 1105, 7, t. 43, f. 15, 16. *Schrank, Ins. Aust.* 836. *Oliv. Enc. Méth.* vi. 496. *Rossi, Faun. Etrus.* ii. 113, 938. *Christ. Hym.* 503, t. 58, f. 1, 2, 3. *Fab. Ent. Syst.* ii. 358, 35. *Latr. Fourm.* 251, t. 10, f. 63.

HAB.—Hants, Borders of woods, &c.

3. MYRMICA TUBERUM. B. M.

Formica tuberum, *Fab. Syst. Ent.* 393, 15. *Ent. Syst.* 358, 36. *Oliv. Enc. Méth.* vi. 497. *Latr. Hist. Fourm.* 74.
Myrmica tuberum, *St. Farg. Hist. Nat. Ins.* i. 183, 3. *Zett. Ins. Lapp.* 452, 4.
Formica tuberosa, *Latr. Hist. Nat. Fourm.* 259.

HAB.—Shirley Common, Surrey, &c.

4. MYRMICA ACERVORUM. B. M.

Formica acervorum, *Fab. Ent. Syst.* ii. 358, 38.
Myrmica acervorum, *Zett. Ins. Lapp.* 451, 3.

HAB.—Hants, under bark.

* 5. MYRMICA GRAMINICOLA.

Formica graminicola, *Latr. Fourm.* 255.

HAB.—Weybridge, Surrey, under stones.

6. MYRMICA UNIFASCIATA. B. M.

Formica unifasciata, *Latr. Hist. Nat. Fourm.* 257.

HAB.—Coombe Wood Surrey, in moss.

7. MYRMICA DOMESTICA. The House Ant. B. M.

Myrmica domestica, *Shuck. Ann. Mag. Nat. Hist*, 626, 1838. *Bostock, Trans. Ent. Soc.* ii. 65.

HAB.—Houses, London, Brighton, &c.

2. MYRMECINA.

Myrmecina, *Curt. Brit. Ent.* vi. t. 266, 1830. *Westw. Int. Class. Ins. Synop.* 83, 1840.

1. MYRMECINA LATREILLII.

Myrmecina Latreillii, *Curt. Brit. Ent.* vi. 265.

HAB.—Isle of Wight, Hants, and Colney Hatch Middlesex.

3. STENAMMA.

Stenamma, *Westw. Int. Class. Ins. Synop.* 83, 1840.

1. STENAMMA WESTWOODII. B. M.

Stenamma Westwoodii, *Steph. Syst. Cat.* 356, 48, 38. *Westw. Int. Class. Ins.* ii. 226, t. 86, f. 11.

HAB.—Britain.

Fam. 3. PONERIDÆ, *Smith.*

1. PONERA.

Formica, pt., *Fab. Syst. Piez.* 395, 1804.
Ponera, *Latr. Gen. Crust. Ins.* 127, 1806.

1. PONERA CONTRACTA. B. M.

Formica contracta, *Latr. Hist. Nat. Fourm.* 195, t. 7, f. 40. *Fabr. Syst. Piez.* 410, 58.
Ponera contracta, *Latr. Gen. Crust. Ins.* 128. *St. Farg. Hist. Nat. Ins.* i. 195, 8. *Steph. Ill. Brit. Ent. Mand. Supp.* 15, t. 42, f. 2.

HAB.—Britain.

Fam. 4. MUTILLIDÆ, *Leach.*

1. MUTILLA.

Mutilla, *Linn. Syst. Nat.* 966, 1766.

1. MUTILLA EUROPÆA. B. M.

Mutilla Europæa, *Linn. Faun. Suec.* 1727, ♀. *Sulz. Gesch. Ins.* t. 27, f. 23, ♂, 24, ♀. *Schrank, Ins. Aust.* 415, 839, ♀. *Oliv. Enc. Méth.* viii. 57, 15. *Rossi, Faun. Etrus.* ii. 114, 939. *Christ. Hym.* 147, t. 11, f. 1, ♂, 2, ♀. *Don. Brit. Ins.* vi. 77, t. 212. *Fab. Ent. Syst.* ii. 368, 9. *Latr. Hist. Nat.* 13, 263. *Coqueb. Illust.* t. 16, f. *a*, ♀, *b*, ♂. *Panz. Faun. Germ.* 76, 20, ♂. *Shuck. Foss. Hym.* 29, 1, ♂, ♀. *St. Farg. Hist. Nat. Ins.* iii. 597, 3. *Nyland, Act. Soc. Sc. Fenn.* i. 8, 1.
Apicis Europa, *Harr. Expos.* 166, 18, t. 50, f. 18.
Apicis Simile, *Harr. Expos.* 166, 19, t. 50, f. 19, ♀.

HAB.—Sandy districts (Nests of Bombi).

2. MUTILLA CALVA. B. M.

Mutilla calva, *Villers, Entom.* iii. 343, 9, t. 8, f. 34, ♀. *Fab. Syst. Piez.* 438, 46, ♀. *Lat. Act. Soc. Hist. Nat.* x. 8, ♀. *Oliv. Enc. Méth.* viii. 64, 56, ♀. *Coqueb. Illustr.* 68, t. 16. f. 10, ♀. *Shuck. Foss. Hym.* 30, 2, ♂, ♀. *St. Farg. Hist. Nat. Ins.* iii. 607, 19. *Nyland, Act. Soc. Sc. Fenn.* 11, 3.
Mutilla nigrita, *Panz.* 80, 22, ♂. *Oliv. Enc. Méth.* viii. 65, 59, ♂.

HAB.—Shooter's Hill?

3. MUTILLA EPHIPPIUM. B. M.

Mutilla ephippium, *Fab. Ent. Syst.* ii. 370, 18, ♂. *Oliv. Enc. Méth.* viii. 63, 45. *Rossi, Faun. Etrus. Mant* i. t. 2, f. n. ♀. *Curtis, Brit. Ent.* ii. t. 77, ♂, ♀. *Shuck. Foss. Hym.* 31, 3. *St. Farg. Hist. Nat. Ins.* iii. 608, 22. *Nyland, Act. Soc. Sc. Fenn.* 13, 4.

Mutilla rufipes, *Fab. Ent. Syst.* ii. 372, 26, ♂. *Oliv. Enc. Méth.* viii. 66, 68. *Latr. Hist. Nat.* xiii. 264. *Coqueb. Illust.* t. 16, f. 9.

Mutilla sellata, *Panz. Faun. Germ.* 46, 19. ♀.

HAB.—Sandy districts, Surrey, Hants, Isle of Wight, Sea-shore.

7. MYRMOSA.

Mutilla, pt., *Fab. Ent. Syst.* ii. 366, 1793.
Myrmosa, *Lat. Hist. Nat.* 13, 1805.

1. MYRMOSA MELANOCEPHALA. B. M.

Mutilla melanocephala, *Fab. Ent. Syst.* ii. 372, 27, ♀. *Oliv. Enc. Méth.* viii. 65, 45. *Coqueb. Illust.* i. t. 6, f. 11.

Myrmosa melanocephala, *Latr. Hist. Nat.* xiii. 266. *Lat. Gen. Crust. Ins.* t. 13, f. 6, ♀. *Shuck. Foss. Hym.* 33, 1, ♂, ♀. *St. Farg. Hist. Nat. Ins.* iii. 589, 1. *Dahlb. Clav. Hym.* t. f. 30, 31. *Guér. Icon. Règ. An.* t. 69, f. 6, ♀. *Nyland, Act. Soc. Sc. Fenn.* 16, 2, ♂, ♀.

Myrmosa atra, *Panz.* 85, 14, ♂. *St. Farg. Hist. Nat. Ins.* iii. 591, 4, ♂.

Myrmosa nigra, *Latr. Gen. Crust. Ins.* i. t. 13, f. 6, ♀.

HAB.—West of England.

8. METHOCA.

Methoca, *Latr. Hist. Nat.* xiii. 268, 1805.
Mutilla, *Jurine, Hym.* 266, 1807.
Gonatophus, *Nees ab Esenbeck, Hym. Ichneu. Affin.* ii. 384, 1834.
Tengyra, *Latr. Gen. Crust. Ins.* iv. 116, ♂, 1809.

1. METHOCA ICHNEUMONIDES. B. M.

Methoca ichneumonides, *Latr. Hist. Nat.* xiii. 269, ♀. *Guér. Icon. Règ. An. Ins.* t. 69, f. 7, ♀. *Curt. Brit. Ent.* 7, t. 329, ♂, ♀. *Shuck. Foss. Hym.* 36, 1. *St. Farg. Hist. Nat. Ins.* iii. 573, 1, t 36, f. 1, ♂. *Nyland, Act. Soc. Sc. Fenn.* 19, 1.
Mutilla formicaria, *Jurine, Hym.* 266, t. 13, f. 49, ♀.
Tengyra Sanvitali, *Latr. Gen. Crust. Ins.* iv. 116, ♂. *Van der Lind. Obs.* i. 13, ♂. *Dahlb. Clav. Hym.* t. 28, 29, ♂, ♀.

HAB.—Hampstead, Weybridge, Surrey, Birch Wood, Kent.

Tribe 2. *FOSSORES, Latr.*

Fam. 1. SCOLIADÆ, *Leach.*

1. TIPHIA.

Tiphia, pt., *Fab. Ent. Syst.* ii. 223.

1. TIPHIA FEMORATA. B. M.

Tiphia femorata, *Fab. Syst. Ent.* 353, 1, ♀. *Rossi, Faun. Etrus.* ii. 67, 828. *Panz. Faun. Germ.* 53, 3, ♀. *Latr. Hist. Nat.* xiii. 267. *Jurine, Hym.* t. 9, gen. 11, ♀. *Dahlb. Clav. Hym.* t. f. 27, ♂, ♀. *Shuck. Foss. Hym.* 39, 1. *St. Farg. Hist. Nat. Ins.* iii. 556, 6. *Nyland, Act. Soc. Sc. Fenn.* 21, 1.
Bethylus femoratus, *Panz. Krit. Revis.* ii. 134, ♀.
Tiphia villosa, *Fab. Syst. Piez.* 235. 22, ♂. *Latr. Hist. Nat.* xiii. 267. *Van der Lind. Obs.* pt. 1, 10, 2, ♂.
Bethylus villosus, *Panz. Faun. Germ.* 98, 16, ♂.

HAB.—Sandy districts, West of England.

2. TIPHIA MORIO. B. M.

Tiphia morio, *Fab. Syst. Piez.* 235, 21. *Panz. Faun. Germ.* 55, 1. *Van der Lind. Obs.* i. 10, 3. *Shuck. Foss. Hym.* 41, 2. *St. Farg. Hist. Nat. Ins.* iii. 557, 7. *Nyland, Act. Soc. Sc. Fenn.* 23, 2.

HAB.—Devon?

3. TIPHIA MINUTA. B. M.

Tiphia minuta, *Van der Lind. Obs.* pt. 1, 12, 4. *Shuck. Foss. Hym.* 42, 3. *Curtis, Brit. Ent.* xi. t. 664. *St. Farg. Hist. Nat. Ins.* iii. 558, 9. *Nyland, Act. Soc. Sc. Fenn.* 24, 3.

HAB.—Hampstead, Bristol, &c.

Fam. 2. SAPYGIDÆ, *Leach.*

1 SAPYGA.

Apis, pt., *Linn. Syst. Nat.* 953, 1766.
Scolia, pt., *Fab. Syst. Ent.* 355, 1775.
Sirex, pt., *Fab. Mant.* i. 257, 1787.
Sapyga, *Latr. Précis.* 134, 1769.
Masaris, *Panz. Fas.* 47, 1801.
Hellus, *Fab. Syst. Piez.* 246, 1804.

1. SAPYGA QUADRIGUTTATA. B. M.

Scolia quinquepunctata, *Fab. Spec. Ins.* i. 453, 14, ♀.
Scolia quadriguttata, *Fab. Spec. Ins.* i. 454, 15, ♂.
Sirex pacca, *Fab. Mant.* i. 258, 15, ♀.
Scolia sexguttata, *Fab. Ent. Syst.* ii. 235, 30, ♂.
Sapyga punctata, *Klug, Mon. Siric.* 61, t. 7, f. 4, ♀, 5, ♂. *Panz. Faun. Germ.* 100, 17, ♂. *Spin. Ins. Lig.* i. 76, 1. *Latr. Hist. Nat.* xiii. 272. *Shuck. Foss. Hym.* 44, 1. *Nyland, Act. Soc. Sc. Fenn.* 25, 1.
Sapyga quadripunctata, *Panz. Faun. Germ.* 87, 20, ♂.
Hellus sexpunctatus, *Fab. Piez.* 246, 1.
Hellus quadriguttatus, *Fab. Piez.* 247, 3.
Hellus pacca, *Fab. Piez.* 247, 6.
Sapyga decemguttata, *Jurine, Hym.* 160, t. 9, gen. 13, ♂.
Sapyga sexpunctata, *Latr. Nouv. Dict. Ed.* ii. 30, 179.
Sapyga decipiens, *St. Farg, Enc. Méth,* x. 338, 2.
Sapyga varia, *St. Farg. Enc. Méth.* x. 338, 1. *Guér. Icon. Règ. An.* t. 69, f. 11, ♀.

HAB.—Britain.

2. SAPYGA CLAVICORNIS. B. M.

Apis clavicornis, *Linn. Syst. Nat.* i. 953, 3, and *Cab. Mus. Linn. Soc.* ♂.
Scolia prisma, *Fab. Ent. Syst.* ii. 236, 31, ♀.
Masaris crabroniformis, *Panz. Faun. Germ.* 47, 22.
Hellus prisma, *Fab. Syst. Piez.* 247, 5.
Sapyga prisma, *Klug, Mon. Siric. Germ.* 63, t. 7, f. 7, ♀, f. 8, ♂. *Latr. Hist. Nat.* xiii. 273, 2. *St. Farg. Hist. Nat. Ins.* iii. 565, 3.
Sapyga clavicornis, *Curtis, Brit. Ent.* xi. t. 532, ♂, ♀. *Shuck. Foss. Hym.* 45, 2. *Nyland, Act. Soc. Sc. Fenn.* 27, 2.

HAB.—Herefordshire, Nottingham, Wakefield Yorkshire.

Fam. 3. POMPILIDÆ, *Leach.*

1. POMPILUS.

Sphex, pt., *Linn. Syst. Nat.* i. 941, 1766.
Evania, pt., and Sphex, pt., *Fab. Ent. Syst.* ii. 192, 198, 1793.
Pompilus, pt., *Fab. Ent. Syst. Supp.* 246, 1798.
Ceropales, pt., and Pompilus, pt., *Fab. Syst. Piez.* 185, 187, 1804.
Priocnemis, Pompilus, Agenia and Priocnemis, *Schiödte, Disp. Syst.* xiv. 21, 90, 1838.
Pompilus, Agenia and Priocnemis, *Dahlb. Hym. Europ.* 38, 80, 93, 1843.
Calicurgus, Pompilus and Anoplius, *St. Farg, Hist. Nat. Ins.* iii. 397, 416, 442.

1. POMPILUS PLUMBEUS. B.M.

Sphex plumbea, *Fab. Mant.* i. 278, 64. *Rossi, Faun. Etrus.* i. 127, 280.
Pompilus pulcher, *Fab. Ent. Syst. Supp.* 249, 19. *Spin. Ins. Lig.* i. 69, 4. *Shuck. Foss. Hym.* 49, 1. *St. Farg, Hist. Nat. Ins.* iii. 424, 11.
Pompilus plumbeus, *Dahlb. Hym. Europ.* 42, 21.

HAB.—Hants, Isle of Wight, Weybridge Surrey, &c.

2. POMPILUS NIGER. B. M.

Sphex nigra, *Fab. Syst. Ent.* 350, 22. *Rossi, Faun. Etrus.* ii. 64, 819.
Pompilus niger, *Fab. Ent. Syst. Supp.* 247, 8. *Panz. Faun. Germ.* 71, 19. *Van der Lind. Obs.* i. 306, 1. *Shuck. Foss. Hym.* 50, 2. *Dahlb. Hym. Europ.* 45, 24. *Zett. Ins. Lapp.* 439, 9.
HAB.—Britain.

3. POMPILUS BIFASCIATUS. B. M.

Sphex bifasciata, *Fab. Ent. Syst.* ii. 212, 58.
Pompilus bifasciatus, *Fab. Ent. Syst. Supp.* 248, 16. *Panz. Faun. Germ.* 86, 12. *Latr. Hist. Nat.* xiii. 281, 4. *Van der Lind. Obs.* pt. 1, 40. *Shuck. Foss. Hym.* 52, 3.
Agenia hircana, *Dahlb. Hym. Europ.* 83, 40.
Agenia bifasciata, *Schiödte, Disp.* xi. 2.
Anoplius bifasciatus, *St. Farg. Hist. Nat. Ins.* 459, 30.
HAB.—Colney Hatch, Coombe Wood, New Forest.

4. POMPILUS VARIEGATUS. B. M.

Sphex variegata, *Linn. Syst. Nat.* i. 944, 18, *and Cab. Mus. Linn. Soc.*
Pompilus hircanus, *Fab. Syst. Piez.* 195, 40. *Panz.* 87, 21. *St. Farg. Enc. Méth.* x. 180, 7. *Zett. Ins. Lapp.* 439, 8.
Pompilus variegatus, *Illig. Faun. Etrus.* ii. 99, 820. *Van der Lind.* pt. 1, 41, 6. *Shuck. Foss. Hym.* 53, 4.
Agenia variegata, *Schiödte, Disp.* x. 1. *Dahlb. Hym. Europ.* 88, 42.
Anoplius variegatus, *St. Farg. Hist. Nat. Ins.* 445, 6, t. 32, f. 4.
HAB.—Coombe Wood and Bristol.

5. POMPILUS PETIOLATUS. B. M.

Pompilus petiolatus, *Van der Lind. Obs.* pt. 1, 44. *Shuck. Foss. Hym.* 54, 5.
Agenia carbonaria, *Dahlb. Hym. Europ.* 90, 43, ♀.
Anoplius petiolatus, *St. Farg. Hist. Nat. Ins.* iii. 443, 3.
HAB.—Birch Wood Kent, Hammersmith and Hants.

6. POMPILUS CINCTELLUS.

Pompilus cinctellus, *Spin. Ins. Lig.* ii. 39, 34. *Van der Lind.* pt. 1, 49. *Shuck. Foss. Hym.* 55, 6. *Dahlb. Hym. Europ.* 38, 19.
Pompilus clypeatus, *Dahlb. Mon. Pomp.* xiv. 22, ♀.
Anoplius cinctellus, *St. Farg. Hist. Nat. Ins.* iii. 453, 19.

HAB.—Sand banks, Hawley Hants, Weybridge Surrey, on old walls, Hampstead, &c.

7. POMPILUS PUNCTUM.

Sphex punctum, *Fab. Spec. Ins.* i. 448, 33.
Evania punctum, *Fab. Ent. Syst.* ii. 194, 6.
Ceropales punctum, *Fab. Syst. Piez.* 187, 9.
Pompilus punctum, *Panz.* 86, 12. *Van der Lind. Obs.* pt. 1, 45. *Shuck. Foss. Hym.* 56, 7.
Agenia carbonaria, *Dahlb. Hym. Europ.* 90, 43, ♂.
Anophius albigena, *St. Farg. Hist. Nat. Ins.* 457, 27.

HAB.—Colney Hatch, also near Bristol.

8. POMPILUS HYALINATUS. B. M.

Sphex hyalinata, *Fab. Ent. Syst.* ii. 212, 56, ♂.
Pompilus hyalinatus, *Fab. Ent. Syst. Supp.* 247, 7, ♂. *Van der Lind. Obs.* pt. 1, 46, 11, ♂. *Shuck. Foss. Hym.* 57, 8, ♂. *Schiödte, Disp.* 14, 1, ♂.
Liris hyalinata, *Fab. Syst. Piez.* 230, 11, ♂.
Anoplius hyalinatus, *St. Farg. Hist. Nat. Ins.* iii. 458, 28, ♂.
Pompilus fasciatellus, *Spin. Ins. Lig.* ii. 37, t. 5, f. 22, ♀. *Van der Lind. Obs.* pt. 1, 65, 31, ♀. *Shuck. Foss. Hym.* 67, 18, ♀. *Schiödte, Disp.* 17, 5, ♀.
Priocnemis maculipennis, *Dahlb. Hym. Europ.* 105, 49, ♀.

HAB.—Highgate and Camberwell.

9. POMPILUS RUFIPES. B. M.

Sphex rufipes, *Linn. Syst. Nat.* i. 945, 29, *and Cab. Mus. Linn. Soc. Fab. Ent. Syst.* ii. 214, 66.
Sphex fuscata, *Fab. Ent. Syst.* ii. 212, 57.
Pompilus fuscatus, *Fab. Ent. Syst. Supp.* 248, 14.

Pompilus rufipes, *Fab. Ent. Syst. Supp.* 250, 27. *Latr. Hist. Nat.* xiii. 281, 6. *Panz. Faun. Germ.* 65, 17. *Van der Lind. Obs.* pt. 1, 59, 24. *Curtis, Brit. Ent.* v. t. 238. *Dahlb. Hym. Europ.* 50, 27. *St. Farg. Hist. Nat. Ins.* iii. 421, 7. *Schiödte*, 31, 1.

HAB.—Hants, Southend, Weybridge, and North Wales.

10. POMPILUS ATTENUATUS, *Smith.* *See Appendix.*

10. POMPILUS NOTATUS.

Sphex notata, *Rossi, Faun. Etrus. Mant.* i. 127, 281.
Pompilus gutta, *Spin. Ins. Lig.* ii. 40, 35.
Pompilus notatus, *Van der Lind. Obs.* i. 47, 12. *Shuck. Foss. Hym.* 59, 10. *Steph. Illust. Brit. Ent. Mand.* 7, *Supp.* 13, t. 41, f. 2.
Priocnemis femoralis, *Dahlb. Hym. Europ.* 109, 51?
Anoplius notatus, *St. Farg. Hist. Nat. Ins.* iii. 462, 35.

HAB.—Highgate, and Ripley Surrey.

11. POMPILUS SERICATUS.

Pompilus sericatus, *Shuck. Foss. Hym.* 60, 11.
Priocnemis sericatus, *Dahlb. Hym. Europ.* 111, 53.

HAB.—London district.

12. POMPILUS FUSCUS. B. M.

Sphex fusca, *Linn. Faun. Suec.* 1652, *and Cab. Mus. Linn. Soc. Rossi, Faun. Etrus.* ii. 62, 813.
Sphex rufo-fasciata, *De Geer, Ins.* ii. 822, t. 28, f. 6.
Sphex viatica, *Scop. Ent. Carn.* 780. *Frisch. Ins.* ii. t. 1, f. 13. *Christ. Hym.* 315.
Pompilus viaticus, *Fab. Ent. Syst. Supp.* 246, 4. *Panz. Faun. Germ.* 65, 16. *Van der Lind. Obs.* i. 72, 40. *Shuck. Foss. Hym.* 61, 12. *Zett. Ins. Lapp.* 437, 3. *Dahlb. Hym. Europ.* 57, 29. *St. Farg. Hist. Nat. Ins.* iii. 431, 24. *Guér. Icon. Règ. An.* t. 70, f. 1.
L'Ichneumon noir, &c., *Geoff. Ins.* ii. 354, 74.

HAB.—Britain.

13. POMPILUS GIBBUS. B. M.

Sphex gibba, *Linn. Syst. Nat.* i. 946, 33, *and Cab. Mus. Linn. Soc. Fab. Syst. Ent.* 350, 23. *Rossi, Faun. Etrus.* ii. 63, 816.

Pompilus gibbus, *Fab. Ent. Syst. Supp.* 249. 17. *Panz. Faun. Germ.* 77, 13. *Van der Lind. Obs.* pt. 1, 68, 35. *Shuck. Foss. Hym.* 62, 13. *St. Farg. Hist. Nat. Ins.* iii. 435, 30. *Schiödte*, 21, 6.
Pompilus curtus, *Zett. Ins. Lapp.* 438, 4 ?
Pompilus trivialis, *Dahlb. Hym. Europ.* 65, 30.

HAB.—Britain.

14. POMPILUS PECTINIPES.

Sphex pectinipes, *Linn. Faun. Suec.* 1654, *and Cab. Mus. Linn. Soc.*
Pompilus crassicornis, *Shuck. Foss. Hym.* 63, 14. *Dahlb. Disp.* x. 39.
Pompilus pectinipes, *Dahlb. Hym. Europ.* 68, 33.
Pompilus difformis, *Schiödte, Disp.* 27, 8, t. 4, f. 4.

HAB.—Hampstead, Southend, &c.

15. POMPILUS AFFINIS. B. M.

Pompilus affinis, *Van der Lind. Obs.* i. 67, 34. *Shuck. Foss. Hym.* 65, 16.
Priocnemis affinis, *Dahlb. Hym. Europ.* 103, 48.
Calicurgus affinis, *St. Farg. Hist. Nat. Ins.* iii. 413, 23.

HAB.—Weybridge, Blackwater Hants.

16. POMPILUS SEPICOLA. B. M.

Pompilus fuscus, *Fab. Ent. Syst. Supp.* 246, 3 (nec Linn.) *Panz. Faun. Germ.* 65, 15. *Van der Lind.* i. 66, 33. *Shuck. Foss. Hym.* 64, 15. *Zett. Ins. Lapp.* 437, 1.
Calicurgus fuscus, *St. Farg. Hist. Nat. Ins.* iii. 412, 22.
Priocnemis fuscus, *Dahlb. Hym. Europ.* 102, 16.

HAB.—Hedgerows, Britain.

17. POMPILUS EXALTATUS. B. M.

Sphex exaltata, *Fab. Syst. Ent.* 351, 31. *Rossi, Faun. Etrus.* ii. 64, 820.
Sphex revo, *Harris, Expos.* 95, t. 28. *Sphex*, f. 3.
Sphex albomaculata, *Schrank, Ins. Aust.* 775.

Pompilus exaltatus, *Fab. Ent. Syst. Supp.* 251, 31. *Panz. Faun. Germ.* 195, 41, *and* 86, 10. *Van der Lind. Obs.* pt. 1, 64, 30. *Shuck. Foss. Hym.* 66, 17. *Zett. Ins. Lapp.* 438, 6.
Priocnemis exaltatus, *St. Farg. Hist. Nat. Ins.* iii. 410, 19. *Dahlb. Hym. Europ.* 113, 55.

HAB.—Britain.

2. CEROPALES.

Evania, pt., *Fab. Syst. Ent.* 345, 1775.
Ichneumon, pt., *Oliv. Enc. Méth.* 7, 209, 1789.
Ceropales, *Latr. Hist. Nat.* xiii. 283, 1805.

1. CEROPALES MACULATA. B. M.

Evania maculata, *Fab. Syst. Ent.* 345, 2. *Rossi, Faun. Etrus.* ii. 84, 799.
Ichneumon multicolor, *Oliv. Enc. Méth.* vii. 209, 17.
Ceropales maculata, *Latr. Hist. Nat.* xiii. 283, 1. *Fab. Syst. Piez.* 185, 1. *Shuck. Foss. Hym.* 69, 1. *Schiödte, Disp.* 8, 1. *Dahlb. Hym. Europ.* 32, 15. *St. Farg. Hist. Nat. Ins.* iii. 465, 1.

HAB.—Britain.

2. CEROPALES VARIEGATA. B. M.

Evania variegata, *Fab. Ent. Syst. Supp.* 241. *Panz. Faun. Germ.* 77, 10.
Ceropales variegata, *Latr. Hist. Nat.* xiii. 284, 2. *Fab. Syst. Piez.* 186, 2. *Van der Lind. Obs.* pt. 1, 347, 2. *Shuck. Foss. Hym.* 71, 2. *Curtis, Brit. Ent.* xvi. t. 756. *St. Farg. Hist. Nat. Ins.* iii. 466, 2, t. 33, f. 2. *Dahlb. Hym. Europ.* 31, 14.

HAB.—Devonshire, Parley Heath Hants, Weybridge.

3. APORUS.

Aporus, *Spin. Ins. Lig.* ii. 34, 1806.

1. APORUS BICOLOR. B. M.

Aporus bicolor, *Spin. Ins. Lig.* ii. 34. *Latr. Gen. Crust. Ins.* iv. 64. *Van der Lind. Obs.* i. 80, 3. *Shuck. Foss. Hym.* 72, 1. *St. Farg. Hist. Nat. Ins.* iii. 388, 1. *Steph. Illust. Brit. Ent.* vii. *Mand. Supp.* xiii. t. 41, f. 1.

HAB.—Dorsetshire, and Weybridge Surrey.

Fam. 4. SPHECIDÆ.

Sphecidæ, *Leach, Samou. Compend.*
Sphegides, *Latr. Fam. Nat. Règ. An.*
Sphecites, *Newm. Ent. Mag.* ii.
Sphegidæ, *Westw. Int. Class. Ins.* ii.

1. AMMOPHILA.

Sphex, pt., *Linn. Faun. Suec.* 411, 1761.
Pompilus, pt., *Ent. Syst. Supp.* 246, 1798.
Ammophila, *Kirby, Trans. Linn. Soc.* iv. 195, 1798.
Sphex and Pepsis, pt., *Fab. Syst. Piez.* 205, 207, 1804.
Psammophila, *Dahlb. Hym. Europ.* 16, 1843.

1. AMMOPHILA SABULOSA. B. M.

Sphex sabulosa, *Linn. Faun. Suec.* 1648. *Scop. Ins. Carn.* 770, f. 770. *Frisch. Ins.* ii. t. 1, f. 6, 7, 8. *De Geer*, ii. 822, 5, t. 28, f. 7. *Fab. Syst. Ent.* 346, 1. *Schrank, Ins. Aust.* 768. *Panz. Faun. Germ.* 65, 12. *Rossi, Faun. Etrus.* ii. 60, 808. *Christ. Hym.* 311, t. 31, f. 2. *Zett. Ins. Lapp.* 435, 1.
Ammophila vulgaris, *Kirby, Trans. Linn. Soc.* iv. 195, 1.
Ammophila sabulosa, *Van der Lind. Obs.* i. 85, 2. *Shuck. Foss. Hym.* 75, 1. *Dahlb. Hym. Europ.* 9, 10. *St. Farg. Hist. Nat. Ins.* iii. 376, 17.
HAB.—Britain, Sandy situations.

2. AMMOPHILA VIATICA. B. M.

Sphex viatica, *Linn. Faun. Suec.* 1651, *and Cab. Mus Linn. Soc. De Geer*, ii. 152, t. 28, f. 16. *Latr. Hist. Nat.* xiii. 293, 2.
Sphex hirsuta, *Scop. Ent. Carn.* 772, f. 772. *Schrank, Ins. Aust.* 769.
Sphex arenaria, *Fab. Mant.* i. 273, 2. *Rossi, Faun. Etrus.* ii. 60, 809. *Panz. Faun. Germ.* 65, 13. *Zett. Ins. Lapp.* 435, 2.
Pepsis arenaria, *Fab. Syst. Piez.* 207, 1. *Illig. Faun. Etrus.* (*Rossi*). ii. 92, 809.
Ammophila hirsuta, *Kirby, Trans. Linn. Soc.* iv. 195, 4. *Samou. Compend.* t. 8, f. 5. *Van der Lind.* pt. 1, 89, 6. *Shuck. Foss. Hym.* 77, 2. *St. Farg. Hist. Nat. Ins.* iii. 364, 1.
Psammophila viatica, *Dahlb. Hym. Europ.* 18, 12.
HAB.—Britain, Sandy spots.

ROYAL ASIATIC SOCIETY

3. AMMOPHILA LUTARIA.

Sphex lutaria, *Fab. Mant.* i. 273, 3, ♂.
Pepsis lutaria, *Fab. Syst. Piez.* 208, 2, ♂.
Ammophila affinis, *Kirby, Trans. Linn. Soc.* iv. 195, 2, ♂, ♀. *Van der Lind. Obs.* pt. 1, 87, 5. *Shuck. Foss. Hym.* 78, 3. *St. Farg. Hist. Nat. Ins.* iii. 369, 8.
Psammophila affinis, *Dahlb. Hym. Europ.* 16, 6, ♂, ♀.

HAB.—Little Hampton Sussex.

2. MISCUS.

Miscus, *Jurine, Hym.* 130, 1807.
Ammophila, *Latr. Gen. Crust. Ins.* iv. 54, 1809.
Sphex, *Zett. Ins. Lapp.* 436, 1840.

1. MISCUS CAMPESTRIS. B. M.

Ammophila campestris, *Lat. Gen. Crust. Ins.* iv. 54. *St. Farg. Enc. Méth.* x. 453, 3. *Curtis, Brit. Ent.* xiii. t. 604.
Miscus campestris, *Van der Lind. Obs.* i. 93, 1. *Shuck. Foss. Hym.* 80, 1. *Dahlb. Hym. Europ.* 7, 9. *St. Farg. Hist. Nat. Ins.* iii. 386, 1, t. 30, f. 5. *Steph. Illust. Mand.* vii. *Supp.* 15, t. 41, f. 4.
Sphex campestris, *Zett. Ins. Lapp*, 436, 3.

HAB.—Dorsetshire, New Forest, Blackwater Hants, Weybridge, on sandy heaths.

3. SPHEX.

Sphex, pt., *Fab. Ent. Syst.* ii. 198, 1793.
Pepsis, pt., *Fab. Syst. Piez.* 207, 1804.

1. SPHEX FLAVIPENNIS.

Sphex flavipennis, *Fab. Ent. Syst.* ii. 201, 10. *Latr. Hist. Nat.* xiii. 293, 3. *Jurine, Hym.* t. 8. gen. 5, fam. 2. *Van der Lind.* pt. 1, 94, 1. *Shuck. Foss. Hym.* 83, 1. *St. Farg. Hist. Nat. Ins.* iii. 349, 23. *Steph. Illust. Mand.* vii. *Supp.* 14, t. 41, f. 3.
Pepsis flavipennis, *Fab. Syst. Piez.* 210, 13.

HAB.—Norfolk?

4. DOLICHURUS.

Pompilus, *Spin. Ins. Lig.* ii. 52. 41, 1806.
Pison, *Lat. Gen. Crust. Ins.* iv. 58, 1809.
Dolichurus, *Latr. Gen. Crust. Ins.* iv. 387, 1809.

1. DOLICHURUS CORNICULUS. B. M.

Pompilus corniculus, *Spin. Ins. Lig.* ii. 52, 41.
Pison ater, *Latr. Gen. Crust. Ins.* iv. 58.
Dolichurus ater, *Latr. Gen. Crust. Ins.* iv. 387. *Van der Lind. Obs.* i. 95, 1. *Dahlb. Hym. Europ.* 57, 1.
Dolichurus corniculus, *St. Farg. Enc. Méth.* x. 450. *Shuck. Foss. Hym.* 85, 1. *Dahlb. Hym. Europ.* 29, 13. *Steph. Illust. Mand.* vii. *Supp.* 14, t. 42, f. 1.
Pompilus clavipes, *Dahlb. Mon. Pomp.* x. 14.

HAB.—Devonshire.

Fam. 5. LARRIDÆ, *Leach.*

1. LARRA.

Sphex, pt., *Linn. Faun. Suec.* 411, 1761.
Larra, pt., *Fab. Ent. Syst.* ii. 220, 1793.
Pompilus, pt., *Fab. Syst. Piez.* 187, 1804.
Tachytes, *Panz. Krit. Rev.* ii. 1806.
Liris, *Illig. Faun. Etrus.* (*Rossi*), 2 ed. 1807.
Lyrops, *Illig. Faun. Etrus.* (*Rossi*), 2 ed. 1807.

1. LARRA ANATHEMA. B. M.

Sphex anathema, *Rossi, Faun. Etrus.* ii. 65, 822.
Larra ichneumoniformis, *Fab. Ent. Syst.* ii. 221, 4. *Panz. Faun. Germ.* 78, 18. *Coqueb. Illus. Icon.* ii. t. 12, f. 10.
Pompilus teutonus, *Fab. Syst. Piez.* 194, 34.
Liris anathema, *Van der Lind. Obs.* ii. 18, 1. *Shuck. Foss. Hym.* 87, 1. *Dahlb. Hym. Europ.* 136, 68.
Tachytes anathema, *St. Farg. Hist. Nat. Ins.* iii. 254, 17.

HAB.—Devonshire?

2. LARRA POMPILIFORMIS. B. M

Larra pompiliformis, *Panz. Faun. Germ.* 89. 13. *Spin. Ins. Lig.* ii. 173, 18.
Larra dimidiata, *Panz. Faun. Germ.* 106, 13.
Larra Jockischiana, *Panz. Faun. Germ.* 106, 15.
Tachytes pompiliformis, *Van der Lind. Obs.* ii. 21, 5. *Shuck. Foss. Hym.* 89, 1. *St. Farg. Hist. Nat. Ins.* iii. 252, 15.
Tachytes pectinipes, *Dahlb. Hym. Europ.* 127, 63.

HAB.—Britain.

3. LARRA UNICOLOR. B. M.

Larra unicolor, *Panz. Faun. Germ.* 106, 16.
Tachytes unicolor, *Shuck. Foss. Hym.* 90, 2. *Dahlb. Hym. Europ.* 129, 65. *St. Farg. Hist. Nat. Ins.* iii. 240, 1.

HAB.—Isle of Wight, Weybridge Surrey, and Sandhurst.

2. MISCOPHUS.

Miscophus, *Jurine, Hym.* 206, 1807.
Larra, pt., *Panz. Faun. Germ.* 106, 1808.

1. MISCOPHUS BICOLOR.

Miscophus bicolor, *Jurine, Hym.* 206, t. 11, gen. 25, ♀. *Latr. Gen. Crust. Ins.* iv. 72, ♀. *Guér. Dict. Class. Hist. Nat.* x. 632, ♀. *Van der Lind. Obs.* ii. 25, 1, ♀. *Shuck. Foss. Hym.* 92, 1, ♀. *Smith, Zool.* ii. 697, ♂, ♀. *Dahlb. Hym. Europ.* 235, 135, ♀. *St. Farg. Hist. Nat. Ins.* iii. 237, 1, t. 27, f. 6. *Steph. Illus. Mand. Supp.* vii. 12, t. 42, f. 3. ♀.
Larra dubia, *Panz. Faun. Germ.* 106, 4, ♀.

HAB.—Coombe Wood, and Weybridge Surrey, Sandy spots.

3. DINETUS.

Crabro, pt., *Fab. Ent. Syst.* ii. 293, 1793.
Sphex, pt., *Fab. Ent. Syst.* ii. 198, 1793.
Pompilus, pt., *Fab. Syst. Piez.* 187, 1804.
Larra, pt., *Latr. Hist. Nat.* xiii. 296, 1805.

1. DINETUS PICTUS. B. M.

Sphex guttata, *Fab. Ent. Syst.* ii. 215, 72, ♂.
Crabro pictus, *Fab. Ent. Syst.* ii. 299, 20, ♂. *Panz. Faun. Germ.* 17, 19, ♂, 72, 10, ♀.
Crabro ceraunius, *Rossi, Mant. App.* 123, 11.
Pompilus guttatus, *Fab. Ent. Syst. Supp.* 252, 34, ♀. *Fab. Syst. Piez.* 196, 44, ♀.
Larra picta, *Latr. Hist. Nat.* xiii. 296, ♂. *Spin. Ins. Lig.* i. 73, 4, ♂.
Dinetus pictus, *Jurine, Hym.* 209, t. 11, gen. 26, ♀. *Latr. Gen. Crust. Ins.* iv. 73, ♂, ♀. *Guér. Dict. Class. Hist. Nat.* ix. 496. *Shuck. Foss. Hym.* 94, 1. *Dahlb. Hym. Europ.* 232, 134. *St. Farg. Hist. Nat. Ins.* iii. 234, 1, t. 27, f. 5, ♂. *Guér. Icon. Règ. An.* t. 70, f. 10. *Steph. Illust. Mand.* vii. *Supp.* 12, t. 42, f. 3.

HAB.—Windsor and Sandhurst.

4. ASTATA.

Sphex, pt., *Schrank, Ins. Aust.* 777, 1781.
Astata, *Latr. Prec. Car. Ins.* 1796.
Dimorpha, *Jurine, Hym.* 146, 1807.

1. ASTATA BOOPS. B. M.

Sphex boops, *Schrank, Ins. Aust.* 777. *Rossi, Mant.* i. 128, 284.
Tiphia abdominalis, *Panz. Faun. Germ.* 53, 5.
Larra pompiliformis, *Don. Brit. Ins.* xii. 73, 420.
Astata abdominalis, *Latr. Hist. Nat.* xiii. 297, 1.
Astata boops, *Van der Lind. Obs.* ii. 27, 1. *Shuck. Foss. Hym.* 97, 1. *Dahlb. Hym. Europ.* 140, 72. *St. Farg. Hist. Nat. Ins.* iii. 256, 1, t. 21, f. 2. *Guér. Icon. Règ. An. Ins.* t. 71, 1.
Astata victor, *Curtis, Brit. Ent.* vi. t. 261.

HAB.—Coombe Wood, Hawley, Hampstead Heaths.

2. ASTATA STIGMA.

Dimorpha stigma, *Panz. Faun. Germ.* 107, 13.
Larra pinguis, *Zett. Ins. Lapp.* 436, 1?
Astata stigma, *Van der Lind. Obs.* ii. 29, 4. *Dahlb. Hym. Europ.* 139, 69.
Astata jaculator, *Smith, Zool.* iv. 1157?

HAB.—Weybridge Surrey.

Fam. 6. NYSSONIDÆ, *Leach.*

1. NYSSON.

Crabro, pt., *Fab. Syst. Ent.* 373, 1775.
Nysson, *Latr. Préc. Car. Gen.* xiii. 1796.
Ceropales, pt., *Fab. Syst. Piez.* 185.? 1804.

1. NYSSON SPINOSUS. B. M.

Crabro spinosus, *Fab. Syst. Ent.* 373, 2. *Rossi, Mant.* i. 139, 308. *Panz. Faun. Germ.* 62, 15.
Mellinus interruptus, *Panz.* 72, 13.
Ceropales spinosa, *Fab. Syst. Piez.* 186, 5.
Nysson spinosus, *Latr. Hist. Nat.* xiii. 305. *Oliv. Enc. Méth.* viii. 804. *Van der Lind. Obs.* pt. 2, 30, 1. *Shuck. Foss. Hym.* 100, 1. *Dahlb. Hym. Europ.* 169, 100.
Nysson Pangeri, *St. Farg. Hist. Nat. Ins.* iii. 53, 7.

HAB.—Britain, Woods and hedgerows.

2. NYSSON INTERRUPTUS. B. M.

Nysson interruptus, *Latr. Hist. Nat.* xiii. 306, 3. *Shuck. Foss. Hym.* 101, 2. *Dahlb. Hym. Europ.* 170, 102. *St. Farg. Hist. Nat. Ins.* iii. 45, 1.?

HAB.—Britain.

3. NYSSON TRIMACULATUS. B. M.

Crabro trimaculatus, *Rossi, Faun, Etrus.* ii. 95, 892.
Nysson maculatus, *Illig. Rossi, Faun. Etrus.* ii. 156, 892.
Nysson nigripes, *Spin. Ins. Lig.* ii. 45, 38, ♂. *St. Farg. Hist. Nat. Ins.* iii. 46, 2.
Nysson interruptus, *Oliv. Enc. Méth.* viii. 408, 2.
Nysson trimaculatus, *Van der Lind. Obs.* ii. 30, 2. *Shuck. Foss. Hym.* 102, 3. *Dahlb. Hym. Europ.* 169, 101.

HAB.—Highgate, Battersea.

4. NYSSON GUTTATUS. B. M.

Nysson guttatus, *Oliv. Enc. Méth.* viii. 409, 7. *Shuck. Foss. Hym.* 103, 4.

HAB.—Devon.

5. NYSSON DIMIDIATUS.

Nysson dimidiatus, *Jurine, Hym.* t. 10, Gen. 22. *Oliv. Enc. Méth.* viii. 409, 9. *Van der Lind. Obs.* ii. 33, 6. *Shuck. Foss. Hym.* 104, 5. *Dahlb. Hym. Europ.* 171, 105. *St. Farg. Hist. Nat. Ins.* iii. 49, 5.

HAB.—Hampstead and Weybridge.

2. OXYBELUS.

Vespa, pt., *Linn. Syst. Nat.* i. 948, 1766.
Crabro, pt., *Fab. Ent. Syst.* ii. 293, 1793.
Oxybelus, *Latr. Hist. Nat.* xiii. 1805.

1. OXYBELUS UNIGLUMIS. B. M.

Vespa uniglumis, *Linn. Syst. Nat.* i. 951, 18. *Christ. Hym.* 246.
Crabro uniglumis, *Fab. Syst. Ent.* 376, 12. *Rossi, Faun. Etrus.* ii. 92, 884. *Oliv. Enc. Méth.* vi. 518, 34.
Oxybelus uniglumis, *Latr. Hist. Nat.* xiii. 307, 2. *Fab. Syst. Piez.* 316, 2. *Oliv. Enc. Méth.* viii. 595, 8. *Van der Lind.* ii. 35, 5. *Shuck. Foss. Hym.* 107, 1. *Zett. Ins. Lapp.* 446, 1. *Dahlb. Hym. Europ.* 273, 172. *St. Farg. Hist. Nat. Ins.* iii. 221, 13.

HAB.—Britain.

2. OXYBELUS FEROX.

Oxybelus ferox, *Shuck. Foss. Hym.* 108, 2.
Oxybelus mucronatus, *Dahlb. Hym. Europ.* 265, 162?

HAB.—London district.

3. OXYBELUS NIGRIPES. B. M.

Oxybelus nigripes, *Oliv. Enc. Méth.* viii. 596, 12. *Shuck. Foss. Hym.* 109, 3. *St. Farg. Hist. Nat. Ins.* iii. 217, 7.
Oxybelus trispinosus, *Dahlb. Hym. Europ.* 270, 169?

HAB.—South Devon, near Spitchwick Park.

4. OXYBELUS BELLICOSUS. B. M.

Oxybelus bellicosus, *Oliv. Enc. Méth.* viii. 595, 9. *Shuck. Foss. Hym.* 110, 4. *Dahlb. Hym. Europ.* 269, 167? *St. Farg. Hist. Nat. Ins.* iii. 217, 8, t. 27, f. 2.

HAB.—Locality not known.

5. OXYBELUS ARGENTATUS. B. M.

Oxybelus argentatus, *Curtis, Brit. Ent.* x. t. 480. *Shuck. Foss. Hym.* 111, 5.

HAB.—Liverpool, Biddeford, Devon.

6. OXYBELUS 14-GUTTATUS. B. M.

Oxybelus 14-guttatus, *Oliv. Enc. Méth.* viii. 596, 13. *Shuck. Foss. Hym.* 112, 6.

HAB.—Locality not known.

7. OXYBELUS NIGRICORNIS. B. M.

Oxybelus nigricornis, *Shuck. Foss. Hym.* 112, 7.

HAB.—Locality not known.

8. OXYBELUS NIGROÆNEUS. B. M.

Oxybelus nigroæneus, *Shuck. Foss. Hym.* 113, 8.,

HAB.—Locality not known.

Fam. 7. CRABRONIDÆ, *Leach.*

1. TRYPOXYLON.

Sphex, pt., *Linn. Syst. Nat.* i. 941, 1766.
Trypoxylon, *Latr. Préc. Car. Ins.* 1796.
Apius, *Jurine, Hym.* 140, 1807.

1. TRYPOXYLON FIGULUS. B. M.

Sphex figulus, *Linn. Syst. Nat.* i. 942, 11, 1. *Cab. Mus. Linn. Soc. Fab. Ent. Syst.* ii. 203, 19. *Schrank, Faun. Boic.* ii. 322, 2160. *Christ. Hym.* 291.

Sphex fuliginosa, *Scop. Ent. Carn.* 771. *Rossi, Faun. Etrus.* 63, 817.
Sphex leucostoma, *Schrank, Ins. Aust.* 771.
Trypoxylon figulus, *Latr. Hist. Nat.* 13, 330. *Fab. Syst. Piez.* 181, 2. *Spin. Ins. Lig.* i. 65, 1. *Van der Lind. Obs.* ii. 40, 1. *Shuck. Foss. Hym.* 115, 1. *Zett. Ins. Lapp.* 445, 1. *Dahlb. Hym. Europ.* 280, 176. *Guér. Icon. Règ. An.* t. 71, f. 3. *St. Farg. Hist. Nat. Ins.* iii. 228, 2.
Apius figulus, *Jurine, Hym.* 140, t. 9, gen. 8.

Hab.—Britain, decaying wood, and sand-banks.

2. Trypoxylon clavicerum. B. M.

Trypoxylon clavicerum, *St. Farg. Encyc. Méth.* x. 750, 1. *Shuck. Foss. Hym.* 118, 3. *Zett. Ins. Lapp. Obs.* 446. *Dahlb. Hym. Europ.* 279, 175.

Hab.—Hampstead, Camberwell, Darenth Wood.

2. CRABRO.

Sphex, pt., *Linn. Faun. Suec.* 411, 1761.
Vespa, pt., *Linn. Faun. Suec.* 415, 1761.
Crabro, pt., *Fab. Ent. Syst.* 293, 1793.
Apis, *Schreb. Natur. Fas.* 15, 1780.
Pemphredon, pt., *Fab. Syst. Piez.* 314, 1804.
Rhopalum, *Kirby, Steph. Syst. Cat.* 366, 1829.
Solenius, Blepharipus, Ceratocalus, Thyreopus, Crossocerus, Lindenius, Corynopus, and Physoscelis, *St. Farg. Ann. Soc. Ent. Fr.* 3, *and Hist. Nat. Ins.* 3, 1832.
Entomognathus, *Dahlb. Hym. Europ.* 295, 1834.

1. Crabro clavipes. B. M.

Sphex clavipes, *Linn. Syst. Nat.* i. 942, 8, *and Cab. Mus. Linn. Soc.* ♂.
Crabro crassipes, *Fab. Ent. Syst. Supp.* 270, 26—7, ♂.
Pemphredon crassipes, *Fab. Syst. Piez.* 315, 3, ♂.
Crabro rufiventris, *Panz. Faun. Germ.* 72, 12. *Van der Lind. Obs.* pt. 2, 72, 34. *Shuck. Foss. Hym.* 178, 35.
Physoscelis rufiventris, *St. Farg. Hist. Nat. Ins.* iii. 207, 1.
Rhopalum clavipes, *Dahlb. Hym. Europ.* 291, 178.

Hab.—Britain, decaying wood.

2. CRABRO TIBIALIS.

Crabro tibialis, *Fab. Ent. Syst. Supp.* 271, 27—28. *Panz. Faun. Germ.* 83, 14. *Van der Lind. Obs.* pt. 2, 73, 35. *Shuck. Foss. Hym.* 177, 34.
Pemphredon tibialis, *Fab. Syst. Piez.* 315, 4.
Corynopus tibialis, *St. Farg. Hist. Nat. Ins.* iii. 205, 1.
Rhopalum tibiale, *Dahlb. Hym. Europ.* 288, 177. *Curtis, Brit. Ent.* 14, t. 656.

HAB.—Britain.

3. CRABRO DIMIDIATUS. B. M.

Crabro dimidiatus, *Fab. Ent. Syst.* ii. 298, 19. *Oliv. Enc. Méth.* vi. 516, 24. *Van der Lind. Obs.* ii. 58, 20. *Shuck. Foss. Hym.* 151, 14. *Dahlb. Hym. Europ.* 345, 228.
Crabro signatus, *Panz. Faun. Germ.* 43, 15, ♀.
Blepharipus signatus, *St. Farg. Hist. Nat. Ins.* iii. 136, 4.
Blepharipus pauperatus, *St. Farg. Hist. Nat. Ins.* iii. 138, 5?

HAB.—Scotland and North of England, Isle of Wight and Weybridge.

4. CRABRO PATELLATUS. B. M.

Crabro patellatus, *Panz. Faun. Germ.* 46, 4, ♂, *and* 46—9, ♀? *Van der Lind. Obs.* ii. 43, 3. *Shuck. Foss. Hym.* 128, 2.
Crabro clypeatus, *Fab. Ent. Syst.* ii. 297, 15, *and Cab. Banks. Mus. Linn. Soc. Dahlb. Hym. Europ.* 356, 232.
Thyreopus patellatus, *St. Farg. Hist. Nat. Ins.* iii. 161, 3.

HAB.—Britain, sandy districts.

5. CRABRO CRIBRARIUS. B. M.

Vespa cribraria, *Linn. Faun. Suec.* 1675, *and Cab. Mus. Linn. Soc.* ♂.
Sphex cribraria, *Linn. Syst. Nat.* i. 945, 23, ♂. *Sulz. Gesch. Ins.* t. 27, f. 6, ♂. *Schrank, Ins. Aust.* 384, 779, ♂. *Christ. Hym.* 281, t. 27. f. 1, ♂.
Guêpe ichneumon, *De Geer*, ii. 810, 2, t. 28, f. 1—5, ♂.
Sphex patellaria, *Schreb. Naturf.* 20, 95. 1.

Crabro cribrarius, *Fab. Ent. Syst.* ii. 297, 14, ♂. *Panz. Faun. Germ.* 15, 18, ♂, *and* 15, 19, ♀. *Latr. Hist. Nat.* xiii. 323, 1, ♂. *Dum. Cons. Gén.* t. 31, f. 3. *Van der Lind. Obs.* ii. 40, 1, ♂, ♀. *Shuck. Foss. Hym.* 126, 1. *Zett. Ins. Lapp.* 444, 7. *Dahlb. Hym. Europ.* 353, 231.

Thyreopus cribrarius, *St. Farg. Hist. Nat. Ins.* iii. 158, 1.

Hab.—Britain, sandy spots.

6. Crabro scutatus. B. M.

Crabro scutatus, *Fab. Ent. Syst.* ii. 298, 16, ♂. *Panz. Faun. Germ.* 15, 22. *Oliv. Enc. Méth.* vi. 515, 17. *Van der Lind. Obs.* pt. 2, 44, 5, ♂. *Shuck. Foss. Hym.* 129, 3, ♂, ♀. *Dahlb. Hym. Europ.* 329, 216.

Sphex palmaria, *Schreb. Naturfor.* xx. 100, 6, t. 2, f. 9, *a*, *b*, ♂.

Crossocerus scutatus, *St. Farg. Hist. Nat. Ins.* iii. 168, 1, ♂.

Birch Wood Kent, and Hawley Hants.

7. Crabro cetratus. B. M.

Crabro cetratus, *Shuck. Foss. Hym.* 131, 4. *Dahlb. Hym. Europ.* 337, 221.

Crabro Vanderlindeni, *Dahlb. Exam. Crabr.* 32, 6, t. 2. *Crabro, A.* 2.

Hab.—London district and Bristol.

8. Crabro clypeatus. B. M.

Sphex clypeata, *Linn. Syst. Nat.* i. 945, 24, *and Cab. Mus. Linn. Soc.* ♂. *Schrank, Ins. Aust.* 386, 780, ♂. *Christ.* 283, t. 27, f. 5.

Crabro clypeatus, *Fab. Mant.* i. 296, 14, ♂. *Rossi, Faun. Etrus.* ii. 90, 880, ♂. *Oliv. Enc. Meth.* vi. 515, 16, ♂. *Latr. Hist. Nat.* xiii. 323, 2, ♂.

Crabro vexillatus, *Panz. Faun. Germ.* 46, 5, ♂. *Illig. Faun. Etrus.* (*Rossi*), ii. 149, ♂. *Van der Lind. Obs.* ii. 45, 6, ♂. *Shuck. Foss. Hym.* 132, 5, ♂. *Dahlb. Hym. Europ.* 375, 242, ♂.

Crabro lapidarius, *Fab. Syst. Piez.* 309, 6, ♀ ?

Thyreus vexillatus, *St. Farg. Ann. Soc. Ent. Fr.* iii. 762, 1, ♂.

Solenius lapidarius, *St. Farg. Hist. Nat. Ins.* iii. 117, 1, ♀?
Thyreopus clypeata, *St. Farg. Hist. Nat. Ins.* iii. 164, 4, t. 26, f. 7, ♂.

Weybridge Surrey, Devon?

9. CRABRO TARSATUS. B. M.

Crabro tarsatus, *Shuck. Foss. Hym.* 133, 6.
Crabro punctum, *Zett. Ins. Lapp.* 445, 11.
Crabro palmipes, *Dahlb. Hym. Europ.* 332, 217.

HAB.—Highgate.

10. CRABRO SEXCINCTUS. B. M.

Crabro sexcinctus, *Fab. Ent. Syst.* ii. 295, 9, ♂. *Oliv. Enc. Méth.* vi. 513, 11, ♂. *Panz. Faun. Germ.* 64, 13, ♂. *Van der Lind. Obs.* pt. 2, 145, 13, ♂, ♀. *Shuck. Foss. Hym.* 137, 8, var. ♂. *St. Farg. Hist. Nat. Ins.* iii. 100, 1.
Crabro cephalotes, *Fab. Syst. Piez.* 308, 5, ♀. *Panz. Faun. Germ.* 62, 16, ♀? *Van der Lind.* pt. 2, 55, 13, ♂, ♀. *Shuck. Foss. Hym.* 135, 7. *Dahlb. Hym. Europ.* 408, 273. *St. Farg. Hist. Nat. Ins.* iii. 100, 1. *Guér. Icon. Règ. An.* t. 71, f. 5.
Crabro sinuatus, *Fab. Syst. Piez.* 310, 12?

HAB.—Britain, sandy situations.

11. CRABRO LAPIDARIUS, *Smith.* *See Appendix.*

11. CRABRO XYLURGUS. B. M.

Crabro fossorius, *Van der Lind. Obs.* ii. 51, 10. (not *Linn.*)
Crabro xylurgus, *Shuck. Foss. Hym.* 139, 9.
Crabro Lapidarius, *Dahlb. Exam. Crabro.* 91, 25.

HAB.—Britain, decaying wood.

12. CRABRO LINDENIUS. B. M.

Crabro Lindenius, *Shuck. Foss. Hym.* 143, 10.
Crabro Cephalotes, *Panz. Faun. Germ.* 62, 16?
Crabro interruptus, *Dahlb. Hym. Europ.* 118, 275.
Ceratocolus striatus, *St. Farg. Hist. Nat. Ins.* iii. 149, 4.

HAB.—Hampstead, Plumstead Wood Kent.

13. CRABRO VAGUS. B. M.

Crabro vagus, *Fab. Syst. Ent.* 375, 8 (not *Linn.*), *and Syst. Piez.* 313, 22. *Rossi, Faun. Etrus.* ii. 91, 881 (*exclus. synon.*). *Panz. Faun. Germ.* 46, 10. *Oliv. Enc. Méth.* vi. 515, 18. *Schrank, Faun. Boic.* ii. 338, 2188. *Latr. Hist. Nat.* xiii, 324, 4. *Van der Lind. Obs.* ii. 57, 16. *Shuck. Foss. Hym.* 145, 11. *Zett. Ins. Lapp.* 442, 2. *Dahlb. Hym. Europ.* 392, 268.

Solenius vagus, *St. Farg. Hist. Nat. Ins.* iii. 126, 9.

HAB.—Britain, decaying willows, &c.

14. CRABRO SUBPUNCTATUS. B. M.

Crabro 4-maculatus, *Fab. Ent. Syst.* ii. 294, 4, ♂.

Crabro subpunctatus, *Rossi, Faun. Etrus.* ii. 95, 891, ♀. *Van der. Lind. Obs.* pt. 2, 58, 19, ♂, ♀. *Shuck. Foss. Hym.* 147, 12. *Dahlb. Hym. Europ.* 349, 229.

Crabro murorum, *Latr. Hist. Nat.* xiii. 324, 5, ♀.

Crossocerus subpunctatus, *St. Farg. Hist. Nat. Ins.* iii. 170, 3, t. 26, f. 8.

HAB.—Britain, decaying wood.

15. CRABRO VAGABUNDUS. B. M.

Crabro vagabundus, *Panz. Faun. Germ.* 53, 16, ♂. *Van der Lind. Obs.* ii. 57, 18. *Shuck. Foss. Hym.* 149, 13.

Crabro subpunctatus (var.), *Dahlb. Hym. Europ.* 349, 229.

HAB.—Darenth, Highgate, &c.

16. CRABRO INTERSTINCTUS.

Crabro interstinctus, *Smith, Zoologist*, ix. *App.* 126.

HAB.—Weybridge.

17. CRABRO LEUCOSTOMA. B. M.

Sphex leucostoma, *Linn. Faun. Suec.* 1663.

Crabro leucostoma, *Fab. Mant.* i. 297, 27. *Rossi, Faun. Etrus.* ii. 91, 882. *Christ.* 262. *Oliv. Enc. Méth.* vi. 518, 35. *Van der Lind. Obs.* ii. 61, 24. *Shuck. Foss. Hym.* 153, 15. *Zett. Ins. Lapp.* 444, 9. *Dahlb. Hym. Europ.* 341, 223.

Pemphredon leucostoma, *Fab. Syst. Piez.* 314, 1.
Crabro bidens, *Halid. Ent. Mag.* i. 516, ♂.
Crossocerus leucostoma, *St. Farg. Hist. Nat. Ins.* iii. 180, 13.

HAB.—Britain, decaying wood.

18. CRABRO ELONGATULUS.

Crabro elongatulus, *Van der Lind. Obs.* ii. 62, 25, ♂. *Shuck. Foss. Hym.* 154, 16, ♂. *Dahlb. Hym. Europ.* 315, 196, ♂, ♀.
Crabro hyalinus, *Shuck. Foss. Hym.* 161, 21, ♀ ?
Crabro albilabris, *Zett. Ins. Lapp.* n. 445, 10 ? ♀.
Crossocerus elongatus, *St. Farg. Hist. Nat. Ins.* iii. 193, 27, ♂, ♀.

HAB.—London district.

19. CRABRO LUTEIPALPIS. B. M.

Crossocerus luteipalpis, *St. Farg. Ann. Soc. Ent. Fr.* iii. 785, 23.
Crabro luteipalpis, *Shuck. Foss. Hym.* 155, 17.
Crabro elongatulus, *Dahlb. Hym. Europ.* ♂ (var.).

HAB.—London district

20. CRABRO PROXIMUS.

Crabro proximus, *Shuck. Foss. Hym.* 156, 18.
Crabro elongatulus, *Dahlb. Hym. Europ.* 316, 196, ♀?

HAB.—Not known.

21. CRABRO PODAGRICUS.

Crabro podagricus, *Van der Lind. Obs.* ii. 60, 23. *Shuck. Foss. Hym.* 157, 19. *Dahlb. Hym. Europ.* 339, 222.
Crabro carbonarius, *Dahlb. Exam. Crabr.* 34, 7 ?
Crossocerus podagricus, *St. Farg. Hist. Nat. Ins.* iii. 189, 23.

HAB.—London district.

22. CRABRO CAPITOSUS. B. M.

Crabro capitosus, *Shuck. Foss. Hym.* 159, 20. *Dahlb. Hym. Europ.* 317, 198.
Crabro annulus, *Dahlb. Exam. Crabr.* 40, 10 ?

HAB.—Birch Wood Kent.

23. Crabro hyalinus.

Crabro hyalinus, *Shuck. Foss. Hym.* 161, 21.
Crabro elongatulus, *Dahlb. Hym. Europ.* 315, 196, ♀ ?

Hab.—Not known.

24. Crabro transversalis.

Crabro transversalis, *Shuck. Foss. Hym.* 162, 22. *Dahlb. Hym. Europ.* 317, 197.

Hab.—Not known.

25. Crabro spinipectus. B. M.

Crabro spinipectus, *Shuck. Foss. Hym.* 163, 23. *Dahlb. Hym. Europ.* 327, 215.

Hab.—London district.

26. Crabro Wesmaeli.

Crabro Wesmaeli, *Van der Lind. Obs.* ii. 63, 26. *Shuck. Foss. Hym.* 164, 24. *Dahlb. Hym. Europ.* 312, 192.
Crossocerus Wesmaeli, *St. Farg. Hist. Nat. Ins.* iii. 186, 19.

Hab.—Charlton, Kent, also in Scotland.

27. Crabro pubescens.

Crabro pubescens, *Shuck. Foss. Hym.* 165, 25. *Dahlb. Hym. Europ.* 311, 191.

Hab.—Not known.

28. Crabro obliquus. B. M.

Crabro obliquus, *Shuck. Foss. Hym.* 167, 26. *Dahlb. Hym. Europ.* 315, 195.

Hab.—London district.

29. CRABRO PALLIDIPALPIS. B. M.

Crossocerus pallidipalpis, *St. Farg. Ann. Ent. Soc. Fr.* iii. 779, 15.
Crabro propinquus, *Shuck. Foss. Hym.* 168, 27.
Crabro pallidipalpis, *Dahlb. Hym. Europ.* 314, 194.

HAB.—London district.

30. CRABRO BIMACULATUS.

Crossocerus bimaculatus, *St. Farg. Ann. Ent. Soc. Fr.* iii. 788, 25.
Crabro bimaculatus, *Dahlb. Hym. Europ.* 310, 190.
Crabro geniculatus, *Shuck. Foss. Hym.* 169, 28.

HAB.—Ripley, Surrey.

31. CRABRO WALKERI.

Crabro Walkeri, *Shuck. Foss. Hym.* 170, 29.
Crossocerus Aphidium, *St. Farg. Ann. Ent. Soc. Fr.* iii. 789, 26?
Crabro Aphidium, *Dahlb. Hym. Europ.* 308, 189?

HAB.—Scotland.

32. CRABRO SCUTELLARIS, *Smith*. *See Appendix*.

32. CRABRO ALBILABRIS. B. M.

Crabro albilabris, *Fab. Ent. Syst.* ii. 302, 31. *Van der Lind. Obs.* ii. 55, 28. *Shuck. Foss. Hym.* 171, 30. *Zett. Ins. Lapp.* 444, 9.
Crabro leucostoma, *Panz. Faun. Germ.* 15, 24.
Pemphredon albilabris, *Fab. Piez.* 316, 8.
Lindenius albilabris, *St. Farg. Ann. Ent. Soc. Fr.* iii. 795, 4. *Dahlb. Hym. Europ.* 300, 182.

HAB.—Britain.

33. CRABRO PANZERI. B. M.

Crabro Panzeri, *Van der Lind. Obs.* ii. 67, 29. *Shuck. Foss. Hym.* 173, 31.
Lindenius Panzeri, *St. Farg. Ann. Ent. Soc. Fr.* iii. 798, 8. *Dahlb. Hym. Europ.* 302, 183.

HAB.—Battersea, Darenth and Birch Woods, Isle of Wight.

34. CRABRO EXIGUUS.

Crabro exiguus, *Van der Lind. Obs.* ii. 72, 33. *Shuck. Foss. Hym.* 174, 32. *Dahlb. Hym. Europ.* 326, 214.
Crossocerus exiguus, *St. Farg. Ann. Soc. Ent. Fr.* iii. 791, 30.

HAB.—London district, Sand-banks.

35. CRABRO BREVIS. B. M.

Crabro brevis, *Van der Lind. Obs.* ii. 70, 32. *Shuck. Foss. Hym.* 175, 33.
Lindenius brevis, *St. Farg. Ann. Soc. Ent. Fr.* iii. 800, 10.
Entomognathus brevis, *Dahlb. Hym. Europ.* 295, 179.

HAB.—Britain, Sand-banks.

3. STIGMUS.

Stigmus, *Jurine, Hym.* 139, 1807.

1. STIGMUS PENDULUS. B. M.

Stigmus pendulus, *Panz. Faun. Germ.* 14, 7. *Van der Lind. Obs.* ii. 74, 1. *Shuck. Foss. Hym.* 181, 1. *Dahlb. Hym. Europ.* 239, 141. *St. Farg. Hist. Nat. Ins.* 98, 1, t. 26, f. 4.
Stigmus ater, *Jurine, Hym.* 138, t. 9, gen. 7. *St. Farg. Enc. Méth.* x. 493.

HAB.—London district, Bramble-sticks, &c.

4. SPILOMENA.

Stigmus, *Van der Lind. Obs.* ii. 74, 1829.
Celia, *Shuck. Foss. Hym.* 182 (1837). *Celia, Coleopt. Zimm.* 1832.
Spilomena, *Shuck. Trans. Ent. Soc.* ii. 79, 1835.

1. SPILOMENA TROGLODYTES. B. M.

Stigmus troglodytes, *Van der Lind. Obs.* ii. 74, 2. *St. Farg. Hist. Nat. Ins.* iii. 99, 2.
Celia troglodytes, *Shuck. Foss. Hym.* 182, 1. *Dahlb. Hym. Europ.* 238, 139.

HAB.—London district.

5. DIODONTUS.

Crabro, pt., *Fab. Ent. Syst.* ii. 293, 1793.
Pemphredon, pt., *Fab. Syst. Piez.* 314, 1804.
Stigmus, *Latr. Gen. Crust. Ins.* iv. 84, 1806.
Cemonus, *Jurine, Hym.* 214, 1807.
Diodontus, *Curtis, Brit. Ent.* ii. 496, 1836.

1. Diodontus minutus. B. M.

Crabro minutus, *Fab. Ent. Syst.* ii. 302, 32.
Pemphredon minutus, *Fab. Syst. Piez.* 316, 9. *Van der Lind. Obs.* ii. 78, 2. *St. Farg. Hist. Nat. Ins.* iii. 96, 2.
Sphex pallipes, *Panz. Faun. Germ.* 52, 22?
Cemonus minutus, *Jurine, Hym.* 214.
Stigmus minutus, *Latr. Gen. Crust. Ins.* iv. 84.
Diodontus minutus, *Curtis, Brit. Ent.* xi. 496 (not fig.) *Shuck. Foss. Hym.* 185, 1. *Dahlb. Hym. Europ.* 252, 152.

Hab.—Britain, Bramble-sticks, &c.

2. Diodontus luperus.

Diodontus luperus, *Shuck. Foss. Hym.* 186, 2. *Dahlb. Hym. Europ.* 254, 153.

Hab.—Britain.

3. Diodontus tristis.

Pemphredon tristis, *Van der Lind. Obs.* ii. 76, 1.
Diodontus tristis, *Shuck. Foss. Hym.* 187, 3.
Pemphredon pallipes, *Dahlb. Hym. Europ.* 250, 151. *St. Farg. Hist. Nat. Ins.* iii. 95, 1.

Hab.—Britain.

6. PASSALŒCUS.

Pemphredon, *Van der Lind. Obs.* ii. 79, 1829.
Diodontus, *Curtis, Brit. Ent.* xi. 496, 1835.
Xylœcus, *Shuck. Foss. Hym. Conspec. Gen.* 1837.
Passalœcus, *Shuck. Foss. Hym.* 188, 1837.

1. PASSALŒCUS INSIGNIS. B. M.

Pemphredon insignis, *Van der Lind. Obs.* ii. 79, 3, ♀. *St. Farg. Hist. Nat. Ins.* iii. 96, 3.
Diodontus insignis, *Curtis, Brit. Ent.* xi. 497.
Passalœcus insignis, *Shuck. Foss. Hym.* 189, 1.
Passalœcus cornigera, ♂, *Dahlb. Hym. Europ.* 245, 145.
Passalœcus gracilis, *Dahlb. Hym. Europ.* 242, 142, ♂, ♀, var. ♂ ?

HAB.—In thatch of cottages, &c.

2. PASSALŒCUS GRACILIS.

Diodontus gracilis, *Curtis, Brit. Ent.* xi. t. 496.
Passalœcus gracilis, *Shuck. Foss. Hym.* 190, 2.

HAB.—Britain.

3. PASSALŒCUS CORNIGER. B. M.

Passalœcus cornigera, *Shuck. Foss. Hym.* 191, 3. *Dahlb. Hym. Europ.* 245, 145, ♀.

HAB.—Britain.

7. PEMPHREDON.

Crabro, pt., *Fab. Ent. Syst.* ii. 293, 1793.
Sphex, *Panz. Faun. Germ.* 52, 1805.
Pemphredon, *Latr. Hist. Nat.* xiii. 1805.
Cemonus, *Jurine, Hym.* 214, 1807.

1. PEMPHREDON LUGUBRIS. B. M.

Crabro lugubris, *Fab. Ent. Syst.* ii. 302, 30.
Sphex unicolor, *Panz. Faun. Germ.* 52, 24.
Cemonus unicolor, *Panz. Krit. Revis.* ii. 187 ? *Jurine, Hym.* t. 11, gen. 28.
Pemphredon lugubris, *Latr. Hist. Nat.* xiii. 325. *Fab. Syst. Piez.* 315, 2. *St. Farg. Enc. Méth.* x. 48, 1. *Van der Lind. Obs.* ii. 80, 4. *Shuck. Foss. Hym.* 196, 1. *Zett. Ins. Lapp.* 441, 1. *Dahlb. Hym. Europ.* 259, 159.
Cemonus lugubris, *Jurine, Hym.* 214. *St. Farg. Hist. Nat. Ins.* iii. 94, 1.

HAB.—Britain, Decayed wood.

2. PEMPHREDON LUCTUOSUS.

Pemphredon luctuosus, *Shuck. Foss. Hym.* 197, 2. *Dahlb. Hym. Europ.* 258, 158.

HAB.—London district.

3. PEMPHREDON, *Smith.* *See Appendix.*

8. CERATOPHORUS.

Pemphredon, *Van der Lind. Obs.* ii. 82, 1829.
Ceratophorus, *Shuck. Foss. Hym.* 198, 1837.

1. CERATOPHORUS MORIO. B. M.

Pemphredon morio, *Van der Lind. Obs.* ii. 82, 5. *Shuck. Foss. Hym.* 198, 3.
Ceratophorus morio, *Shuck. Foss. Hym.* 198 (note). *Dahlb. Hym. Europ.* 256, 157.

HAB.—London district.

2. CERATOPHORUS ANTHRACINUS.

Ceratophorus anthracinus, *Smith, Zool. App.* ix. 126.

HAB.—Devonshire.

9. CEMONUS.

Pemphredon, *Latr. Gen. Crust. Ins.* iv. 84, 1806.
Cemonus, *Jurine, Hym.* 214, 1807.

1. CEMONUS UNICOLOR. B. M.

Pemphredon unicolor, *Latr. Gen. Crust. Ins.* iv. 84. *St. Farg. Enc. Méth.* x. 48, 3. *Van der Lind. Obs.* ii. 83, 6. *Zett. Ins. Lapp.* 441, 2. *Curtis, Brit. Ent.* xiv. t. 632.
Cemonus unicolor, *Jurine, Hym.* 214. *Shuck. Foss. Hym.* 200, 1. *Dahlb. Hym. Europ.* 255, 155. *St. Farg. Hist. Nat. Ins.* iii. 94, 2, t. 26, f. 2.

HAB.—Britain (Bramble sticks).

2. CEMONUS LETHIFER. B. M.

Cemonus lethifer, *Shuck. Foss. Hym.* 201, 2. *Dahlb. Hym. Europ.* 254, 154.

HAB.—Britain.

10. MELLINUS.

Vespa, pt., *Linn. Syst. Nat.* 948, 1766.
Crabro, pt., *Fab. Mant.* i. 294, 1787.
Mellinus, pt., *Fab. Ent. Syst.* ii. 285, 1793.

1. MELLINUS VAGUS. B. M.

Sphex vaga, *Linn. Faun. Suec.* 1664, *and Cab. Mus. Linn. Soc.* ♂. *Scop. Ent. Carn.* 785, f. 785.
Vespa arvensis, *Linn. Faun. Suec.* 1678, *and Cab. Mus. Linn. Soc.* ♀. *De Geer, Ins.* ii. 2, 820, 3. *Schrank, Ins. Aust.* 392, 791. *Fab. Mant.* i. 291, 49. *Christ. Hym.* 234.
Vespa superbus, *Harris, Expos.* 227, 3, t. 37, f. 3.
Crabro bipunctatus, *Fab. Mant.* i. 296, 18. *Oliv. Enc. Méth.* vi. 516, 20.
Crabro U. flavum, *Panz. Faun. Germ.* 17, 20.
Mellinus bipunctatus, *Fab. Ent. Syst.* ii. 286, 4.
Mellinus arvensis, *Fab. Ent. Syst.* ii. 287, 7. *Latr. Hist. Nat.* xiii. 319, 3. *Van der Lind. Obs.* ii. 84, 1. *Shuck. Foss. Hym.* 203, 1. *Zett. Ins. Lapp.* 440, 1. *St. Farg. Hist. Nat. Ins.* iii. 91, 1. *Dahlb. Hym. Europ.* 226, 131.
Geoff. Ins. Par. ii. 375, 3.

HAB.—Britain, Sand-banks.

2. MELLINUS SABULOSUS. B. M.

Crabro sabulosus, *Fab. Mant.* i. 296, 17. *Oliv. Enc. Méth.* vi. 515, 19.
Crabro petiolatus and frontalis, *Panz. Faun. Germ*, 46, 11, ♂, *and* 46, 12, ♀.
Mellinus sabulosus, *Fab. Ent. Syst.* ii. 286, 2. *Van der Lind. Obs.* ii. 87, 3. *Shuck. Foss. Hym.* 205, 2. *Dahlb. Hym. Europ.* 230, 133. *Curtis, Brit. Ent.* xiii. t. 580.
Mellinus ruficornis, *Fab. Ent. Syst.* ii. 286, 3. *Panz. Faun. Germ.* 77, 17. *Latr. Hist. Nat.* xiii. 519, 4.
Mellinus fulvicornis, *Fab. Syst. Piez.* 300, 13, ♂. *Panz. Faun. Germ.* 98, 18, ♂. *Van der Lind. Obs.* ii. 86, 2, ♂.

HAB.—Suffolk, Nottingham and Newcastle.

10. ALYSON.

Pompilus, pt., *Fab. Ent. Syst. Supp.* 246, 1798.
Alyson, *Jurine, Hym.* 195, 1807.

1. ALYSON LUNICORNIS. B. M.

Pompilus lunicornis, *Fab. Ent. Syst. Supp.* 249, 21, ♂.
Alyson lunicornis, *Latr. Gen. Crust. Ins.* iv. 86. *Van der Lind. Obs.* ii. 88, 1. *Shuck. Foss. Hym.* 207, 1. *Dahlb. Hym. Europ.* 142, 75. *St. Farg. Hist. Nat. Ins.* iii. 86, 1, t. 26, 1.
Alyson Kennedii, *Curtis, Brit. Ent.* xiii. t. 584, ♀.

HAB.—Hastings, and Ryde Isle of Wight.

11. GORYTES.

Sphex, pt., *Linn. Syst. Nat.* i. 941, 1766.
Vespa, pt., *Linn. Syst. Nat.* i. 948, 1766.
Crabro, pt., *Rossi, Faun. Etrus. App.* 123, 1790.
Mellinus, pt., *Fab. Ent. Syst.* ii. 285, 1793.
Gorytes, *Latr. Hist. Nat.* xiii. 308, 1805.
Arpactus, *Jurine, Hym.* 194, 1807.
Hoplisus, Euspongus and Lestiphorus, *St. Farg. Hist. Nat. Ins.* iii. 60, 66, and 72, 1845.

1. GORYTES MYSTACEUS. B. M.

Sphex mystacea, *Linn. Syst. Nat.* i. 944, 21, *and Cab. Mus. Linn. Soc.* ♂. *Christ.* 270.
Vespa campestris, *Linn. Syst. Nat.* i. 950, 13, ♀, *and Cab. Mus. Linn. Soc. Fab. Syst. Ent.* 369, 31. *Rossi, Faun. Etrus.* ii. 88, 873. *Christ.* 234. *Oliv. Enc. Méth.* vi. 689, 96.
Mellinus mystaceus, *Fab. Ent. Syst.* ii. 285, 1. *Panz. Faun. Germ.* 53, 11.
Mellinus campestris, *Fab. Ent. Syst.* ii. 287, 6.
Mellinus ruficornis, *Fab. Syst. Piez.* 298, 3.
Arpactus campestris, *Panz. Krit. Revis.* ii. 165.
Arpactus mystaceus, *Jurine, Hym.* 194.
Gorytes mystaceus, *Latr. Gen. Crust. Ins.* iv. 89. *Illig.* (*Rossi*) *Faun. Etrus.* ii. 144, 873. *Van der Lind. Obs.* ii. 94, 9. *Shuck. Foss. Hym.* 211, 1. *Dahlb. Hym. Europ.* 166, 98. *St. Farg. Hist. Nat. Ins.* iii. 55, 1, t. 25, f. 8, ♀.

HAB.—Britain, Woods and hedgerows.

2. GORYTES FARGEII. B. M.

Mellinus quadrifasciatus, *Panz. Faun. Germ.* 98, 17, ♂.
Arpactus quadrifasciatus, *Panz. Krit. Revis.* ii. 165.
Gorytes campestris, *St. Farg. Ann. Ent. Soc. Fr.* i. 58, 2. *Dahlb. Hym. Europ.* 168, 99.
Gorytes Fargeii, *Shuck. Foss. Hym.* 214, 2.

3. GORYTES QUADRIFASCIATUS. B. M.

Mellinus quadrifasciatus, *Fab. Syst. Piez.* 298, 5, ♂.
Mellinus 5-cinctus, *Fabr. Syst. Piez.* 299, 11? ♀. *Panz. Faun. Germ.* 72, 14, ♀.
Gorytes 5-cinctus, *Latr. Gen. Crust. Ins.* iv. 89. *Van der Lind. Obs.* ii. 99, 13.
Gorytes quadrifasciatus, *Latr. Gen. Crust. Ins.* iv. 90, ♂, ♀. *Van der Lind. Obs.* ii. 96, 10, *the* ♀ *only*. *Shuck. Foss. Hym.* 215, 3.
Hoplisus 5-cinctus, *St. Farg. Ann. Ent. Soc. Fr.* i. 62, Var. *a*, ♀, *and* 63, ♂ *only*. *St. Farg. Hist. Nat. Ins.* iii. 60, 1, t. 25, f. 5. *Dahlb. Hym. Europ.* 162, 94.
Gorytes libitinarius, *Curt. Brit. Ent.* xi. 524.

HAB.—Highgate and Colney Hatch.

4. GORYTES LATICINCTUS. B. M.

Gorytes quadrifasciatus, *Spin. Ins. Lig.* i. 93, 2.
Gorytes arenarius, *Van der Lind. Obs.* ii. 97, 11, ♂, *var. and second* ♀.
Euspongus laticinctus, *St. Farg. Ann. Ent. Soc. Fr.* i. 66, 1, *and Hist. Nat. Ins.* iii. 66, 1, t. 25, f. 6.
Gorytes laticinctus, *Shuck. Foss. Hym.* 217, 4.
Hoplisus laticinctus, *Dahlb. Hym. Europ.* 161, 92.

HAB.—New Forest.

5. GORYTES BICINCTUS.

Crabro bicinctus, *Rossi, Faun. Etrus. App.* 123, 110.
Gorytes bicinctus, *Van der Lind. Obs.* ii. 93, 7. *Curt. Brit. Ent.* ii. t. 524. *Shuck. Foss. Hym.* 219, 5.
Lestiphorus bicinctus, *St. Farg. Ann. Ent. Soc. Fr.* i. 70, 1. *Dahlb. Hym. Europ.* 156, 90.

HAB.—London district.

ROYAL ASIATIC SOCIETY BOMBAY BRANCH OF THE

12. HARPACTUS.

Mutilla, *Lat. Act. Soc. Hist. Nat. Paris*, i. 11, 1792.
Sphex, pt., *Fab. Ent. Syst. Supp.* 243, 1798.
Evania, pt., *Fab. Ent. Syst. Supp.* 241, 1798.
Ceropales, pt., *Fab. Syst. Piez.* 185, 1804.
Pompilus, pt., *Fab. Syst. Piez.* 187, 1804.
Mellinus, *Latr. Hist. Nat.* xiii. 318, 1804.
Arpactus, *Jurine, Hym.* 192, 1807.
Larra, *Dahlb. Exercit. Hym.* 51, 1833.
Harpactus, *Shuck. Foss. Hym.* 221, 1837.

1. HARPACTUS LÆVIS. B. M.

Mutilla lævis, *Latr. Act. Soc. Hist. Nat. Paris*, i. 11, 12.
Sphex cruenta, *Fab. Ent. Syst. Supp.* 244, 54—55.
Evania ruficollis, *Fab. Ent. Syst. Supp.* 241, 3—4?
Ceropales ruficollis, *Fab. Syst. Piez.* 186, 6?
Pompilus cruentus, *Fab. Syst. Piez.* 192, 20. *Panz. Faun. Germ.* 84, 20. *Coqueb.* i. 23, t. 5, f. 10.
Mellinus cruentatus, *Latr. Hist. Nat.* xiii. 318, 1.
Gorytes lævis, *Van der Lind. Obs.* ii. 91, 1.
Harpactus lævis, *Shuck. Foss. Hym.* 221, 1. *Dahlb. Hym. Europ.* 148, 79.

HAB.—Locality not known.

2. HARPACTUS TUMIDUS. B. M.

Pompilus tumidus, *Panz. Faun. Germ.* 81, 15.
Mellinus tumidus, *Panz. Krit. Revis.* ii. 169.
Arpactus tumidus, *Jurine, Hym.* 194.
Harpactus tumidus, *Shuck. Foss. Hym.* 222, 2. *Dahlb. Hym. Europ.* 149, 82.
Gorytes tumidus, *Van der Lind. Obs.* ii. 92, 4.

HAB.—Britain, Sandy spots.

13. PSEN.

Psen, *Latr. Précis*, 1796.
Sphex, pt., *Fab. Ent. Syst. Supp.* 243, 1798.
Pelopæus, pt., *Fab. Syst. Piez.* 202, 1804.
Trypoxylon, pt., *Fab. Syst. Piez.* 180, 1804.

1. PSEN ATER. B. M.

Sphex atra, *Fab. Ent. Syst. Supp.* 244, 18, 19. *Panz. Faun. Germ.* 72, 7, ♂.
Pelopæus unicolor, *Fab. Syst. Piez.* 204, 10.
Pelopæus compressicornis, *Fab. Syst. Piez.* 204, 11, ♂.
Trypoxylon atratum, *Fab. Syst. Piez.* 182, 5, ♀.
Psen ater, *Panz. Krit. Revis.* ii. 108.
Psen pallipes, *Spin. Ins. Lig.* i. 94, 2.
Psen serraticornis, *Jurine, Hym.* t. 8, gen. 6, ♂.
Psen ater, *Van der Lind. Obs.* ii. 102, 1. *Latr. Hist. Nat.* xiii. 310? *Shuck. Foss. Hym.* 225, 1. *St. Farg. Hist. Nat. Ins.* iii. 40, 1.

HAB.—Hawley Hants.

2. PSEN ATRATUS. B. M.

Sphex pallipes, *Panz. Faun. Germ.* 52, 22, ♂.
Trypoxylon atratum, *Panz. Faun. Germ.* 98, 15.
Psen ater, *Panz. Krit. Revis.* ii. 109.
Psen atratus, *Van der Lind. Obs.* ii. 103, 22, ♂. *Shuck. Foss. Hym.* 227, 2. *Dahlb. Hym. Europ.* 5, 6. *St. Farg. Hist. Nat. Ins.* iii. 42, 2.

HAB.—Britain, in straws of thatch, &c.

14. MIMESA.

Trypoxylon, *Fab. Syst. Piez.* 180, 1804.
Psen, *Latr. Nouv. Dict.* 2 ed. 28, 1816.
Mimesa, *Shuck. Foss. Hym.* 228, 1837.

1. MIMESA EQUESTRIS. B. M.

Trypoxylon equestre, *Fab. Syst. Piez.* 182, 6.
Psen rufa, *Panz. Faun. Germ.* 96, 17.
Psen equestris, *Van der Lind. Obs.* ii. 107, 4. *Latr. Nouv. Dict.* 2 ed. 28, 193. *Curtis, Brit. Ent.* i. t. 25.
Mimesa equestris, *Shuck. Foss. Hym.* 229, 1. *Dahlb. Hym. Europ.* 4, 5.

HAB.—London district, Hants, Isle of Wight, &c.

2. MIMESA BICOLOR. B. M.

Psen bicolor, *Jurine, Hym.* t. 13.
Mimesa bicolor, *Shuck. Foss. Hym.* 230, 2.
Mimesa lutaria, *Dahlb. Hym. Europ.* 4, 4.
Psen equestris, *St. Farg. Hist. Nat. Ins.* iii. 43, 3.

HAB.—Britain, Sandy situations.

3. MIMESA UNICOLOR.

Psen unicolor, *Van der Lind. Obs.* ii. 105, 3. *St. Farg. Hist. Nat. Ins.* iii. 44, 4.
Mimesa unicolor, *Shuck. Foss. Hym.* 231, 3. *Dahlb. Hym. Europ.* 1, 1.

HAB.—Britain.

15. CERCERIS.

Sphex, pt., *Linn. Faun. Suec.* 1660, 1761.
Vespa, *Harris, Expos.* 127, 1776.
Crabro, pt., *Fab. Mant.* i. 294, 1787.
Philanthus, pt., *Fab. Ent. Syst.* ii. 288, 1793.
Cerceris, *Latr. Hist. Nat.* 13, 1804.

1. CERCERIS ARENARIA. B. M.

Sphex arenaria, *Linn. Faun. Suec.* 1660, *and Cab. Mus. Linn. Soc.*
Vespa exultus and pelutans, *Harris, Expos.* t. 37, f. 1, 2.
Crabro 5-cinctus, *Fab. Mant.* i. 295, 11. *Oliv. Enc. Méth.* vi. 514, 13. *Schrank, Faun. Boic.* ii. 335, 2182.
Crabro arenarius, *Fab. Mant.* i. 297, 20. *Schrank, Faun. Boic.* ii. 335, 2184. *Oliv. Enc. Méth.* vi. 516, 22, ♀.
Philanthus 5-cinctus, *Fab. Ent. Syst.* ii. 291, 9.
Philanthus lætus, *Fab. Ent. Syst.* ii. 291, 10. *Panz. Faun. Germ.* 63, 11.
Cerceris aurita, *Fab. Ent. Syst. Supp.* 268, 1. *Latr. Hist. Nat.* xiii. 315, 1. *Spin. Ins. Lig.* i. 96, 1.
Philanthus 4-fasciatus, *Panz. Faun. Germ.* 63, 14. *Fab. Piez.* 305, 16.
Cerceris læta, *Curtis, Brit. Ent.* vi. t. 269.

Cerceris arenaria, *Van der Lind. Obs.* ii. 109, 3. *Shuck. Foss. Hym.* 233, 1. *Dahlb. Hym. Europ.* 205, 122. *St. Farg. Hist. Nat. Ins.* iii. 16, 11.

HAB.—Britain, Sandy situations.

2. CERCERIS LABIATA. B. M.

Crabro labiatus, *Fab. Ent. Syst.* ii. 296, 11, ♀.
Crabro cunicularius, *Schrank, Faun. Boic.* ii. 334, 2181.
Crabro bidens, *Schrank, Faun. Boic.* ii. 335, 2183.
Philanthus labiatus, *Panz. Faun. Germ.* 63, 16. *Fab. Syst. Piez.* 303, 10, ♀.
Philanthus arenarius, *Panz. Faun. Germ.* 46, 2, ♂?
Cerceris interruptus, *Spin. Ins. Lig.* i. 99, 4, var. 1.
Cerceris nasuta, *Latr. Gen. Crust. Ins.* iv. 94, ♂, ♀.
Cerceris labiata, *Van der Lind. Obs.* ii. 111. *Shuck. Foss. Hym.* 236, 2. *Dahlb. Hym. Europ.* 217, 129. *St. Farg. Hist. Nat. Ins.* iii. 2, 1.

HAB.—Hawley Hants, and Weybridge Surrey.

3. CERCERIS INTERRUPTA. B. M.

Philanthus interruptus, *Panz. Faun. Germ.* 63, 17, ♀?
Philanthus 5-cinctus, *Panz. Faun. Germ.* 63, 12.
Cerceris interrupta, *Van der Lind. Obs.* ii. 113, 7. *Shuck. Foss. Hym.* 238, 3.
Cerceris nasuta, *Dahlb. Hym. Europ.* 215, 128.

HAB.—Birch Wood and Erith Kent; Weybridge Surrey.

4. CERCERIS ORNATA. B. M.

Philanthus ornatus, *Fab. Ent. Syst.* ii. 290, 6. *Panz. Faun. Germ.* 63, 10. *Revis.* ii. 174.
Crabro variabilis, *Schrank, Faun. Boic.* ii. 339, 2190.
Philanthus semicinctus, *Panz. Faun. Germ.* 47, 24, ♂.
Cerceris ornata, *Latr. Hist. Nat.* xiii. 317, 3. *Walck. Mon. Halict.* 80. *Van der Lind. Obs.* ii. 117, 13. *Shuck. Foss. Hym.* 239, 4. *St. Farg. Hist. Nat. Ins.* iii. 20, 14.
Cerceris variabilis, *Dahlb. Hym. Europ.* 196, 118.

HAB.—Britain, Sandy situations.

5. CERCERIS SABULOSUS. B. M.

Philanthus sabulosus, *Panz. Faun. Germ.* 63, 13, ♂. *Shuck. Foss. Hym.* 244, 6, ♂.
Philanthus quadricinctus, *Panz. Faun. Germ.* 63, 15, ♀. *Shuck. Foss. Hym.* 243, 5, ♀. *St. Farg. Hist. Nat. Ins.* iii. 23, 15.
Cerceris fasciata, *Spin. Ins. Lig.* i. 97, 2, ♀.

HAB.—Faversham and Darenth Kent.

16. PHILANTHUS.

Vespa, pt., *Fab. Syst. Ent.* 362, 1775.
Crabro, pt., *Rossi, Mant.* i. 138, 1792.
Philanthus, pt., *Fab. Ent. Syst.* ii. 288, 1793.
Simblephilus, *Jurine*, 185, 1807.

1. PHILANTHUS TRIANGULUM.

Vespa triangulum, *Fab. Syst. Ent.* 373, 49. *Christ.* 136. *Oliv. Enc. Méth.* vi. 692, 116.
Vespa limbata, *Oliv. Enc.* vi. 693, 118.
Crabro androgynus, *Rossi, Faun. Etrus. Mant.* i. 138, 305.
Philanthus pictus, *Panz. Faun. Germ.* 43, 23, ♂. *Fab. Syst. Piez.* 302, 5.
Philanthus apivorus, *Latr. Fourm.* 317, t. 12, f. 2, *a*, *b*.
Philanthus triangulum, *Fab. Ent. Syst.* ii. 289, 2. *Dumeril, Consid.* pl. 59, t. 6, 7. *Shuck. Foss. Hym.* 246, 1. *Dahlb. Hym. Europ.* 187, 115. *St. Farg. Hist. Nat. Ins.* iii. 34, 2.
Simblephilus diadema, *Jurine, Hym.* t. 10, gen. 18.
Philanthus androgynus, *Curtis, Brit. Ent.* vi. t. 273, ♀.

HAB.—Sandown Isle of Wight; Heron Court Hants; Byfleet Surrey; Snaresbrook Essex; and Pegwell Bay.

Tribe 3. *DIPLOPTERA, Latr.*

Fam. 1. EUMENIDÆ, *Westw.*

1. EUMENES.

Vespa, pt., *Linn. Faun. Suec.* 415, 1761.
Eumenes, *Fab. Syst. Piez.* 284, 1804.

1. EUMENES COARCTATA. B. M.

Vespa coarctata, *Linn. Faun. Suec.* 1676, *and Cab. Mus. Linn. Soc.* ♀. *Scop. Ent. Carn.* 830, ♂. *Fab. Syst. Ent.* 370, 39. *Schrank, Ins. Aust.* 790. *Fourc. Ent. Par.* ii. 435, 10. *Zett. Ins. Lapp.* 458, 1.
Vespa coronata, *Panz. Faun. Germ.* 64, 12, ♂, var.
Vespa pedunculata, *Panz. Faun. Germ.* 63, 8, ♀.
Eumenes coarctata, *Fab. Syst. Piez.* 288, 16, ♂.
Eumenes atricornis, *Fab. Syst. Piez.* 289, 17, ♀. *Curtis, Brit. Ent.* i. t. 13.
Geoff. Ins. Par. ii. 377, 10.

HAB.—On heaths, Hants, and Weybridge Surrey.

2. SYMMORPHUS.

Vespa, pt., *Linn. Syst. Nat.* i. 948, 1761.
Odynerus, pt., *Curtis, Brit. Ent.* 137, 1827.
Symmorphus, *Wesm. Mon. Odyn. Supp.* 2, 1833.

1. SYMMORPHUS MURARIUS.

Vespa muraria, *Linn. Syst. Nat.* i. 950, 8, *and Cab. Mus. Linn. Soc.*
Vespa crassicornis, *Panz. Faun. Germ.* 53, 8.
Odynerus parietum, *Spin. Ins. Lig.* ii. 180, 6.
Odynerus crassicornis, *Wesm. Mon. Odyn. Belg.* 39, 6. *St. Farg. Hist. Nat. Ins.* 663, 41.
Symmorphus crassicornis, *Wesm. Mon. Odyn. Belg. Supp.* 2, 8.

HAB.—Darenth Kent, in sand-banks.

2. SYMMORPHUS BIFASCIATUS. B. M.

Vespa bifasciata, *Linn. Syst. Nat.* i. 950, 14. *Rossi, Faun. Etrus.* ii. 86, 869. *Christ. Hym.* 234. *Fab. Ent. Syst.* ii. 269, 60.
Odynerus bifasciatus, *Spin. Ins. Lig.* ii. 184, 9. *Zett. Ins. Lapp.* 457, 6. *Wesm. Mon. Odyn. Belg.* 45, 8.
Vespa minuta, *Fab. Ent. Syst. Supp.* 262, 65—6. *St. Farg. Hist. Nat. Ins.* ii. 632, 18.
Symmorphus bifasciatus, *Wesm. Mon. Odyn. Belg. Supp.* 2, 10.
Odynerus connexus, *Curtis*, 3, t. 138.

HAB.—Britain.

3. SYMMORPHUS ELEGANS. B. M.

Odynerus elegans, *Wesm. Mon. Odyn. Belg.* 43, 7. *St. Farg. Hist. Nat. Ins.* ii. 664, 13.
Symmorphus elegans, *Wesm. Mon. Odyn. Belg. Supp.* 2, 9.

HAB.—Britain.

3. ANCISTROCERUS.

Vespa, pt., *Linn. Syst. Nat.* 1766.
Odynerus, *Spin. Ins. Lig.* ii. 179, 1806.
Ancistrocerus, *Wesm. Mon. Odyn. Belg. Supp.* ii. 1833.

1. ANCISTROCERUS PARIETUM. B. M.

Vespa parietum, *Linn. Faun. Suec.* 1673, *and Cab. Mus. Linn. Soc. Schrank, Ins. Austr.* 792. *Fab. Syst. Ent. Syst. Rossi, Faun. Etrus.* 368, 26. *Christ. Hym.* 237.
Vespa simplex, *Fab. Ent. Syst.* ii. 267, 52, ♂, var.
Vespa angulatus, *Don. Brit. Ins.* xiv. 71, t. 495, f. 1.
Odynerus Geoffroyanus, *Spin. Ins. Lig.* ii. 182, 7.
Odynerus parietum, *Wesm. Mon. Odyn. Belg.* 4, 5. *Zett. Ins. Lapp.* 455, 1.
Geoff. Ins. Par. ii. 376, 9.

HAB.—Britain, Decaying palings, &c.

2. ANCISTROCERUS EMARGINATUS.

Vespa emarginata, *Fab. Ent. Syst.* ii. 267, 51, ♂.
Vespa sexfasciata, *Fab. Ent. Syst.* ii. 268, 56, ♂. *Spin. Ins. Lig.* ii. 87, 871, ♂.

Vespa sexpunctata, *Christ.* 241, t. 22, f. 6.
Vespa quadrata, *Panz. Faun. Germ.* 63, 3, ♀. *Don. Brit. Ins.* xiv. 72, t. 459, 2, ♀.
Vespa aucta, *Panz. Faun. Germ.* 81, 17, ♂ ?
Odynerus parietum, *Wesm. Mon. Odyn. Belg.* 16, 4 (var.).
Ancistrocerus parietum, *Wesm. Mon. Odyn. Belg.* 2, 5 (var.).

HAB.—Britain, in old posts, &c.

3. ANCISTROCERUS PARIETINUS.

Vespa parietina, *Linn. Faun. Suec.* 1679.
Vespa insolens, *Harris, Expos.* 129, t. 37, f. 7.
Vespa antilope, *Panz. Faun. Germ.* 53, 9.
Odynerus parietinus, *Curtis, Brit. Ent.* iii. t. 137.
Odynerus antilope, *Wesm. Mon. Odyn. Belg.* 32, 5. *St. Farg. Hist. Nat. Ins.* ii. 649, 34.
A true Wasp, *Frisch, Ins.* 9, t. 12.

HAB.—Britain, Sand-banks, old walls, &c.

4. ANCISTROCERUS TRIFASCIATUS. B. M.

Vespa trifasciata, *Fab. Ent. Syst.* ii. 270, 61.
Odynerus trifasciatus, *Wesm. Mon. Odyn. Belg. Supp.* 7, 6. *St. Farg. Hist. Nat. Ins.* ii. 653, 36.
Vespa Gazell, *Panz. Faun. Germ.* 56, 10, var. ♂.
Ancistrocerus trifasciatus, *Wesm. Mon. Supp.* 2, 6.
Odynerus 3-marginatus, *Zett. Ins. Lapp.* 456, 4.

HAB.—Britain, Decaying palings, &c.

5. ANCISTROCERUS 3-MARGINATUS.

Odynerus trimarginatus, *Zett. Ins. Lapp.* 456, 4.
Odynerus Scoticus, *Curtis, Brit. Ent.* iii. 138?

HAB.—North of England.

6. ANCISTROCERUS PICTUS. B. M.

Odynerus pictus, *Curtis, Brit. Ent.* iii. 138.

HAB.—London district, Bristol, &c.

4. ODYNERUS.

Vespa, pt., *Linn. Syst. Nat.* 1766.
Odynerus, pt., *Latr. Hist. Nat.* xiii. 346, 1805.
Epipone, (*Kirby*), *Steph. Syst. Cat.* 369, 1829.
Oplopus, *Wesm. Mon. Odyn. Belg. Supp.* 2, 1833.

1. ODYNERUS SPINIPES. B. M.

Vespa spinipes, *Linn. Faun. Suec.* ♂, 1682, *and Cab. Mus. Linn. Soc.* ♂. *Fab. Syst. Ent.* 368, 28, ♂. *Rossi, Faun. Etrus.* ii. 86, 868. *Christ. Hym.* 233.
Vespa parietina, *Panz. Faun. Germ.* 49, 24, ♀. *Fab. Syst. Piez.* 263, 52, ♀.
Vespa quinquefasciata, *Fab. Ent. Syst.* ii. 267, 49, ♀.
Odynerus spinipes, *Spin. Ins. Lig.* i. 89, 3, ♂. *Wesm. Mon. Odyn. Belg.* 6, 2. *St. Farg. Hist. Nat. Ins.* ii. 608, 2.
Odynerus Reaumurii, *Dufour, Mem. Odyn.* 6.
Guêpe solitaire, *Reaum. Mem.* vi. 247, t. 26, f. 2, ♀.

HAB.—Britain, in banks.

2. ODYNERUS LÆVIPES. B. M.

Odynerus lævipes, *Shuck. Loud. Mag. Nat. Hist. New Ser.* i. 490.
Odynerus rubicola, *Dufour, Ann. Sci. Nat.* 1839.

HAB.—Hawley Hants, and Hampstead, Bramble sticks.

3. ODYNERUS MELANOCEPHALUS.

Vespa melanocephala, *Gmelin, Syst. Nat.* i. 2760, 96.
Vespa spinipes, *Oliv. Enc. Méth.* vi. 687, 87, ♂.
Vespa albofasciata, *Rossi, Faun. Etrus.* ii. 143, 870, ♀.
Odynerus melanocephalus, *Wesm. Mon. Odyn. Belg.* 12, 3.
Oplopus melanocephalus, *Wesm. Mon. Odyn. Belg. Supp.* 2, 3.

HAB.—Bristol, Birch Wood, &c.

Fam. 2. VESPIDÆ, *Steph.*

1. VESPA, *Auctor.*

Vespa, pt. *Linn. Syst. Nat.* 948.

1. VESPA CRABRO. The Hornet. B. M.

Vespa crabro, *Linn. Faun. Suec.* 1670. *Scop. Ins. Carn.* 824. *De Geer, Ins.* ii. 801, t. 27. *Fab. Syst. Ent.* 364, 8. *Harris, Expos.* 127, t. 34, f. 1, 2, 3. *Schrank, Ins. Aust.* 786. *Fourc. Ent. Par.* ii. 430, 1. *Rossi, Faun. Etrus.* ii. 83, 860. *Christ. Hym.* 215, t. 18, f. 3. *Don. Brit. Ins.* xiv. 85, t. 502. *Latr. Hist. Nat.* xiii. 350, 1. *Zett. Ins. Lapp.* 453, 1. *St. Farg. Hist. Nat. Ins.* i. 509, 7, t. 9, f. 1, 2, 3.
Crabro vulgaris, *Ray, Hist. Ins.*
Reaum. Ins. vi. t. 18, f. 1, *and* iv. t. 10, f. 9.
Swamm. Bibl. Nat. t. 26, f. 9.
Geoff. Ins. ii. 368, 1.
Frisch, Ins. ix. t. 11, f. 1, 6.

HAB.—West and South-west of England.

2. VESPA VULGARIS. The Common Wasp. B. M.

Vespa vulgaris, *Linn. Faun. Suec.* 1671, *and Cab. Mus. Linn. Soc. Scop. Ent. Carn.* 825. *De Geer, Ins.* ii. 766, t. 26. *Fab. Syst. Ent.* 364, 9. *Harris, Expos.* 128, t. 37, f. 5. *Schrank, Ins. Aust.* 787. *Fourc. Ent. Par.* ii. 430, 2. *Panz. Faun. Germ.* 49, 16. *Rossi, Faun. Etrus.* ii. 83, 861. *Christ. Hym.* 236, t. 22, f. 2. *Don. Brit. Ins.* vii. t. 266. *Latr. Hist. Nat.* xiii. 351, 3. *Zett. Ins. Lapp.* 453, 2. *St. Farg. Hist. Nat. Ins.* i. 516, 14. *Smith, Zool.* i. 162, 2, f. *a—f.*
Vespa Germanica, *Fab. Ent. Syst.* ii. 256, 12, ♂. *Panz. Faun. Germ.* 49, 20, ♀. *St. Farg. Hist. Nat. Ins.* i. 515, 13, ♂, ♀.
Vespa Saxonica, *Fab. Ent. Syst.* ii. 256, 12, ♂. *Panz. Faun. Germ,* 49, 21, ♂.
Ray, Hist. Ins. 250.
Geoff. Ins. Par. ii. 369, 2.
Swamm. Bibl. Nat. t. 26, f. 8.
Frisch, Ins. ix. t. 12.
Schaff. Icon. Ins. t. 35, f. 4.

HAB.—Britain, Banks, occasionally on rafters of out-houses, &c.

3. VESPA RUFA. The Anchor-faced Wasp. B. M.

Vespa rufa, *Linn. Syst. Nat.* i. 949, 5. *Fab. Syst. Ent.* 364, 10. *Schrank, Ins. Aust.* 788. *Christ.* 236, t. 22, f. 3. *Latr. Hist. Nat.* xiii. 352, 5. *St. Farg. Hist. Nat. Ins.* i. 517, 15. *Zett. Ins. Lapp.* 454, 4. *Curtis, Brit. Ent.* xvi. t. 760. *Smith, Zool.* i. 167, 3, f. *g, h, i.*

HAB.—Britain, Banks.

4. VESPA SYLVESTRIS. The Campanular Wasp. B. M.

Vespa sylvestris, *Scop. Ent. Carn.* 826. *Christ.* 235, t. 22. f. 1, *a, b.*
Vespa parietum, *Harris, Expos.* 128, t. 37, f. 4, ♂ ?
Vespa holsatica, *Fab. Ent. Syst.* ii. 257, 14. *Latr. Hist. Nat.* xiii. 352, 4. *Smith, Zool.* i. 168, 4, f. *k, l, m.*

HAB.—Britain, Banks and trees.

5. VESPA BRITANNICA. The Tree Wasp. B. M.

Vespa Britannica, *Leach, Zool. Misc.* i. 112, t. 50. *Smith, Zool.* i. 169, 5.
Vespa Norwegica, *Zett. Ins. Lapp.* 454, 5, ♀, not of *Fab.*
Vespa vulgaris, *Bigg, Obs. Nat. Hist. Wasps.*

HAB.—Yorkshire and Scotland, Trees.

6. VESPA ARBOREUS. The Northern Wasp. B. M.

Vespa borealis, *Smith, Zool.* i. 170, 6, not of *Kirby, Faun. Boreal.* not of *Zett. Ins. Lapp.*
Vespa arboreus, *Smith, Zool.* vii. *Supp.* 60.

HAB.—Yorkshire and Scotland, Trees.

Tribe 4. *MELLIFERA, Latr.*

Fam. 1. ANDRENIDÆ, *Leach.*

Andrenetæ, *Latr. Hist. Nat. Ins.* xiii. 1805.
Andrenides, *Leach, Edinb. Enc.* 1812.
Andrenidæ, *Leach, Sam. Comp.* 1819.
Andrenites, *Newm. Ent. Mag.* 1834.

1. COLLETES.

Apis, pt., *Linn. Syst. Nat.* i. 953, 1766.
Andrena, pt., *Fab. Ent. Syst.* ii. 307, 1793.
Melitta, pt., *Kirby, Mon. Ap. Angl.* i. 130, * *a*, 1802.
Colletes, *Latr. Hist. Nat. Ins.* xiii. 359, 1805.
Evodia, *Panz. Krit. Revis.* 208, 1805.

1. COLLETES SUCCINCTA. B. M.

Apis succincta, *Linn. Syst. Nat.* i. 955, 18, *and Cab. Mus. Linn. Soc.* ♀. *Christ. Hym.* 185, t. 15, f. 7.
Andrena succincta, *Fab. Syst. Ent.* 378, 14, ♀. *Rossi, Faun. Etrus.* ii. 98, 899.
Apicis invictus, *Harris, Expos.* 134, 12, t. 39, f. 12, ♀.
Apis calendarum, *Panz. Faun. Germ.* ii. 19, ♂ ?
Melitta succincta, *Kirby, Mon. Ap. Angl.* ii. 32, 1, ♂, ♀.
Hylæus glutinosus, *Lat. Cuv. Reg. An.* i. *Ed.* 3, 513, ♀.
Megilla calendarum, *Fab. Syst. Piez.* 335, 33, ♂.
Colletes succincta, *Latr. Hist. Nat.* xiii. 359, ♀. *St. Farg. Hist. Nat. Ins.* ii. 297, 2, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* 206, 1. *Smith, Zool.* iv. 1276, 1.
Evodia calendarum, *Panz. Krit. Revis.* 208. *Spin. Ins. Lig.* ii. 197, 1.
Colletes fodiens, *Curt. Brit. Ent.* ii. f. 85, ♀.
Reaum. Mem. vi. t. 12, f. 1, 13.

HAB.—Britain, Heaths, &c.

2. COLLETES FODIENS. B. M.

Melitta fodiens, *Kirby, Mon. Ap. Angl.* ii. 34, 2, t. 15, f. 1, 2. ♂, ♀.

Apis pallicincta, *Kirby, Mon. Ap. Angl.* ii. 295, 67, ♀.
Apis fodiens, *Fourc. Ent. Par.* ii. 444, 7.
Colletes fodiens, *Lat. Gen. Crust. Ins.* i. t. 14, f. 7. *St. Farg. Hist. Nat. Ins.* ii. 298, 3. *Nyland. Act. Soc. Sc. Fenn.* 206, 2. *Smith, Zool.* iv. 1277, 2.

HAB.—Britain, Sand banks.

3. COLLETES MARGINATA. B. M.

Apis marginata, MSS., *Linn. Cab. Mus. Linn. Soc.* ♂.
Colletes marginata, *Smith, Zool.* iv. 1277, 3, ♂, ♀.

HAB.—Little Hampton Sussex.

4. COLLETES DAVIESANA. B. M.

Melitta Daviesana, *Kirby, MSS.*
Colletes Daviesana, *Smith, Zool.* iv. 1278, 4, ♂, ♀.

HAB.—London district, Erith and Darenth Kent, Isle of Wight Hants, &c.

2. PROSOPIS.

Apis, pt., *Linn. Syst. Nat.* 953, 1766.
Hylæus, pt., *Fab. Ent. Syst.* ii. 302, 1793.
Melitta, pt., *Kirby, Mon. Ap. Angl.* i. 134, * *b*, 1802.
Prosopis, pt., *Fab. Syst. Piez.* 293, 1804.

1. PROSOPIS ANNULATUS. B. M.

Apis annulatus, *Linn. Syst. Nat.* i. 958, 33, *and Cab. Mus. Linn. Soc.* ♀. *Fab. Mant.* i. 305, 90. *Christ. Hym.* 197.
Hylæus annulatus, *Fab. Ent. Syst.* ii. 305, 12, ♀. *Panz. Faun. Germ.* 55, 3. *Lat. Hist. Nat.* xiii. 360, 1. *Zett. Ins. Lapp.* 463, 1. *Smith, Zool.* vi. 2202, 2, ♂, ♀.
Melitta annulatus, *Kirby, Mon. Ap. Angl.* ii. 36, 3, ♂, ♀, *and* t. 15, f. 3, ♀.
Prosopis annulata, *Fab. Syst. Piez.* 293, 1. *Spin. Ins. Lig.* i. 112, 3. *Nyland. Act. Soc. Sc. Fenn.* 187, 1.
Prosopis signata, *St. Farg. Hist. Nat. Ins.* ii. 537, 4, var.

HAB.—Britain, Bramble sticks, &c.

2. PROSOPIS ANNULARIS. B. M.

Sphex annulata, *Panz. Faun. Germ.* 53, 1.
Mellinus labiatus, *Fab. Ent. Syst. Supp.* 267, 7, 8.
Melitta annularis, *Kirby, Mon. Ap. Angl.* ii. 38, 4, ♂, ♀.
Prosopis labiata, *Fab. Syst. Piez.* 295, 12, ♀.
Prosopis signata, *St. Farg. Hist. Nat. Ins.* ii. 537, 4, var.
Hylæus annularis, *Smith, Zool.* vi. 2202, 3, ♂, ♀.

HAB.—Barham, London district, &c.

3. PROSOPIS VARIEGATA. B. M.

Mellinus variegatus, *Fab. Ent. Syst. Supp.* 265, 1,—2.
Prosopis variegata, *Fab. Syst. Piez.* 295, 9. *St. Farg. Hist. Nat. Ins.* ii. 534, 1.
Prosopis colorata, *Panz. Faun. Germ.* 89, 14.
Hylæus variegatus, *Smith, Zool.* vi. 2202, 1.

HAB.—Kingsbridge and Bideford Devon.

4. PROSOPIS SIGNATUS. B. M.

Sphex signata, *Panz. Faun. Germ.* 53, 2.
Melitta signata, *Kirby, Mon. Ap. Angl.* ii. 41, 6, ♂, ♀.
Prosopis atrata, *Fab. Syst. Piez.* 295, 10, ♂.
Prosopis signata, *St. Farg. Hist. Nat. Ins.* ii. 537, 4. *Nyland. Act. Soc. Sc. Fenn.* 190, 4,
Hylæus signatus, *Smith, Zool.* vi. 2206, 9, ♂, ♀.

HAB.—England.

5. PROSOPIS DILATATUS. B. M.

Melitta dilatata, *Kirby, Mon. Ap. Angl.* ii. 39, 5, t. 15, f. 4, ♂.
Hylæus dilatatus, *Latr. Hist. Nat.* xiii. 361, 2. *Curt. Brit. Ent.* viii. t. 373, ♂. *Smith, Zool.* vi. 2204, 4.
Prosopis signata, *St. Farg. Hist. Nat. Ins.* ii. 537, 4, var.
Prosopis dilatata, *Nyland, Act. Soc. Sc. Fenn.* 188, 2, ♂.

HAB.—Arundel Sussex, Barham Suffolk.

6. PROSOPIS CORNUTUS.

Hylæus cornutus, *Smith, Zool.* vi. 2204, 5, ♀.

HAB.—Hawley Hants.

7. PROSOPIS PLANTARIS.

Hylæus plantaris, *Smith, Zool.* vi. 2205, 6.
HAB.—Cove Common Hants.

8. PROSOPIS PUNCTULATISSIMUS.

Hylæus punctulatissimus, *Smith, Zool.* vi. 2205, 7.
HAB.—Birch Wood Kent.

9. PROSOPIS HYALINATUS. B. M.

Melitta annulata, *Kirby, Mon. Ap. Angl.* ii. 37, var. β.
Hylæus hyalinatus, *Smith, Zool.* vi. 2206, 8.
HAB.—Bristol, Bramble sticks.

3. SPHECODES.

Sphex, pt., *Linn. Syst. Nat.* i. 941, 1766.
Apis, pt., *Christ. Hym.* 153, 1791.
Nomada, pt., *Fab. Ent. Syst.* ii. 345, 1793.
Melitta, pt., *Kirby, Mon. Ap. Angl.* i. 137, * * α, 1802.
Sphecodes, *Latr. Hist. Nat.* xiii. 368, 1805.

1. SPHECODES GIBBUS. B. M.

Sphex gibba, *Linn. Syst. Nat.* i. 946, 33, *and Cab. Mus. Linn. Soc.* ♀. *Rossi, Faun. Etrus.* ii. 63, 816. *Fab. Ent. Syst.* ii. 212, 59.
Apis rufa, *Christ. Hym.* 201, t. 17, f. 12, ♀.
Melitta sphecoides, *Kirby, Mon. Ap. Angl.* ii. 46, 9, ♀.
Melitta monilicornis, *Kirby, Mon. Ap. Angl.* ii. 47, 10, ♂, *and* t. 15, f. 6.
Melitta picea, *Kirby, Mon. Ap. Angl.* ii. 48, 11, ♂ var.
Sphecodes piceus, *Wesm. Obs.* ix. 2.
Sphecodes gibbus, *Nyland. Act. Soc. Sc. Fenn.* 193, 2.
Sphecodes sphecoides, *Smith, Zool.* iii. 1013, 2, f. 34.
HAB.—Britain.

2. SPHECODES RUFESCENS. B. M.

Apis rufescens, *Fourc. Ent. Par.* ii. 447, 17.
Apis gibba, *Christ. Hym.* 183, t. 15, f. 3.
Nomada gibba, *Fab. Ent. Syst.* ii. 348, 12, *and Cab. Banks. Mus. Linn. Soc.*
Melitta gibba, *Kirby, Mon. Ap. Angl.* ii. 42, 7.
Sphecodes gibbus, *Latr. Hist. Nat.* xiii. 368. *St. Farg. Hist. Nat. Ins.* ii. 542, 3, *Smith, Zool.* iii. 1012, 1.
Reaum. Mem. vi. 96, t. 9, f. 4, 7.
Proabeille noire et rousse, *De Geer*, ii. 7, 55, t. 32, f. 6.

HAB.—Britain.

3. SPHECODES GEOFFRELLUS. B. M.

Melitta Geoffrella, *Kirby, Mon. Ap. Angl.* ii. 45, 8, ♀, *and* t. 15, f. 5, ♀.
Sphecodes Geoffrellus, *Wesm. Obs.* vii. 3. *St. Farg. Hist. Nat. Ins.* ii. 544, 4. *Nyland. Act. Soc. Sc. Fenn.* 194, 3. *Smith, Zool.* iii. 1014, 5, ♂, ♀.
Sphecodes maculatus, *St. Farg. Hist. Nat. Ins.* ii. 545, ♂ var.

HAB.—Britain.

4. SPHECODES EPHIPPIA. B. M.

Sphex ephippia, *Linn. Syst. Nat.* i. 944, 22, *and Cab. Mus. Linn. Soc.* ♂.
Apis fulviventris, *Scop. Ent. Carn.* 807, ♀? *Schrank, Ins. Aust.* 822.
Apicis minimus, *Harris, Expos.* 136, t. 39, f. 21.
Melitta divisa, *Kirby, Mon. Ap. Angl.* ii. 49, 12, ♂.
Sphecodes divisus, *Smith, Zool.* iii. 1015, 6, ♂, ♀.
Andrena, Potentilla, *Panz. Faun. Germ.* — 14.
Apis nigra, abdomine rufo nitida, incisuris nigris, *Geoff. Ins. Par.* ii. 416, 18.

HAB.—Britain.

5. SPHECODES NIGRIPES. B. M.

Nomada gibba, *Fab. Ent. Syst.* ii. 349, 12, var.?
Sphecodes nigripes, *St. Farg. Hist. Nat. Ins.* ii. 542, 2, ♂, ♀.
Sphecodes rugosus, *Smith, Zool.* vi. 2208.
Apis rufa, *Sulz. Hist. Ins.* 198, t. 27, f. 14?

HAB.—Kingsbridge and Bideford Devon.

6. SPHECODES PELLUCIDUS.

Sphecodes pellucidus, *Smith*, *Zool.* iii. 1014, 3, ♂, ♀.

HAB.—Hampstead Heath.

7. SPHECODES SUBQUADRATUS. B. M.

Sphecodes subquadratus, *Smith*, *Zool.* iii. 1014, 5, ♂, ♀.

HAB.—Charlton Kent and Camberwell.

4. HALICTUS.

Apis, pt., *Linn. Syst. Nat.* i. 953, 1766.
Hylæus, pt., *Fab. Ent. Syst.* ii. 302, 1793.
Melitta, pt., *Kirby*, *Mon. Ap. Angl.* i. 138, * * *b*, 1802.
Prosopis. *Fab. Syst. Piez.* 293, 1804.
Megilla, pt., *Fab. Syst. Piez.* 328, 1804.
Halictus, *Latr. Hist. Nat.* xiii. 364, 1805.
Lasioglossum, *Curtis*, *Brit. Ent.* x. 418, 1834.

1. HALICTUS QUADRICINCTUS. B. M.

Hylæus quadricinctus, *Fab. Ent. Syst.* ii. 303, 3, ♂ ?
Melitta quadricincta, *Kirby*, *Mon. Ap. Angl.* ii. 51, 13, ♀, ♂ ?
Halictus quadricinctus, *Nyland. Act. Soc. Sc. Fenn.* 189, 1. *Smith*, *Zool.* vi. 2040, 1.

HAB.—Isle of Portland, London district?

2. HALICTUS RUBICUNDUS. B. M.

Apis rubicundus, *Christ. Hym.* 190, t. 16, f. 10, ♀.
Apis flavipes, *Panz. Faun. Germ.* 56, 17? ♀.
Melitta rubicunda, *Kirby*, *Mon. Ap. Angl.* ii. 53, 14, ♂, ♀. *Curtis*, *Brit. Ent.* x. 449.
Halictus nidulans, *St. Farg. Hist. Nat. Ins.* ii. 269, 5.
Halictus rubicundus, *Nyland. Act. Soc. Sc. Fenn.* 198. 2. *Smith*, *Zool.* vi. 2041, 2.

HAB.—Britain.

3. HALICTUS TUMULORUM. B. M.

Apis tumulorum, *Linn. Faun. Suec.* 1685, *and Cab. Mus. Linn. Soc.* ♂. *Fab. Syst. Ent.* 388, 57.
Apis crocipes, *Fourc. Ent. Par.* ii, 446, 14, ♂.
Hylæus flavipes, *Fab. Ent. Syst.* ii. 305, 11, ♂.
Melitta flavipes, *Kirby, Mon. Ap. Angl.* ii. 55, 15, ♂.
Apis subaurata, *Rossi, Ins. Etrus. Mant.* 144, 321, ♀. *Panz. Faun. Germ.* 56, 4.
Apis seladonia, *Fab. Ent. Syst. Supp.* 276, 120, ♀.
Melitta seladonia, *Kirby, Mon. Ap. Angl.* ii. 57, 16, ♀.
Megilla subaurata, *Fab. Syst. Piez.* 333, 22, ♀.
Halictus seladonius, *Latr. Hist. Nat.* xiii. 367, 4, ♀. *St. Farg. Hist. Nat. Ins.* ii. 280, 20. *Nyland. Act. Soc. Sc. Fenn.* 203, 8.
Halictus flavipes, *Smith, Zool.* vi. 2042, 3, ♂, ♀.

HAB.—Britain.

4. HALICTUS ÆRATUS. B. M.

Melitta ærata, *Kirby, Mon. Ap. Angl.* ii. 58, 17, ♂, ♀.
Halictus ærata, *Smith, Zool.* vi. 2043, 4, ♂, ♀.

HAB.—Britain.

5. HALICTUS LEUCOPUS. B. M.

Melitta leucopus, *Kirby, Mon. Ap. Angl.* ii. 59, 18, ♂.
Halictus leucopus, *Nyland. Act. Soc. Sc. Fenn.* 205, 10. *Smith, Zool.* vi. 2100, 5.

HAB.—Britain.

6. HALICTUS MORIO. B. M.

Hylæus morio, *Fab. Ent. Syst.* ii. 306, 16, ♂. *Coqueb. Illustr. Ic. Ins.* 25, t. 6, f. 5, ♂.
Melitta morio, *Kirby, Mon. Ap. Angl.* ii. 60, 19, ♂, ♀.
Halictus morio, *Zett. Ins. Lapp.* 462, 2. *St. Farg. Hist. Nat. Ins.* ii. 284, 26. *Nyland. Act. Soc. Sc. Fenn.* 204, 9. *Smith, Zool.* vi. 2101, 6.

HAB.—Britain.

7. HALICTUS SMEATHMANELLUS. B. M.

Melitta Smeathmanella, *Kirby, Mon. Ap. Angl. App.* ii. 375, 111.
Halictus Smeathmanellus, *Smith, Zool.* vi. 2101, 7.

HAB.—London district.

8. HALICTUS GRAMINEUS. B. M.

Halictus gramineus, *Smith, Zool. App.* vii. 58.

HAB.—Cove Common Hants, Devon.

9. HALICTUS MINUTUS. B. M.

Melitta minuta, *Kirby, Mon. Ap. Angl.* ii. 61, 20, ♂, ♀.
Halictus minutus, *St. Farg. Hist. Nat. Ins.* ii. 227, 17, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* 202, 7. *Smith, Zool.* vi. 2102, 8.

HAB.—Britain.

10. HALICTUS MINUTISSIMUS. B. M.

Melitta minutissima, *Kirby, Mon. Ap. Angl.* ii. 63, 22, ♂, ♀.
Halictus minutissimus, *Smith, Zool.* vi. 2103, 9.

HAB.—Britain.

11. HALICTUS NITIDIUSCULUS. B. M.

Melitta nitidiuscula, *Kirby, Mon. Ap. Angl.* ii. 64, 23, ♂.
Halictus nitidiusculus, *Smith, Zool.* vi. 2103, 10, ♂, ♀.

HAB.—Britain.

12. HALICTUS LONGULUS. B. M.

Halictus longulus, *Smith, Zool.* vi. 2104, 11, ♀.

HAB.—Isle of Wight.

13. HALICTUS LÆVIS.

Melitta lævis, *Kirby, Mon. Ap. Angl.* ii. 65, 24, *and Cab. Mus. Ent. Soc.*
Halictus lævis, *St. Farg. Hist. Nat. Ins.* ii. 277, 16. *Smith, Zool.* vi. 2104, 12, ♂.

HAB.—Isle of Wight.

14. HALICTUS VILLOSULUS. B. M.

Melitta villosula, *Kirby*, *Mon. Ap. Angl.* ii. 62, 21, ♂.
Melitta punctulata, *Kirby*, *Mon. Ap. Angl.* ii. 66, 25, ♀.
Halictus villosulus, *Smith*, *Zool.* vi. 2105, 13, ♂, ♀.

HAB.—Britain.

15. HALICTUS MALACHURUS.

Melitta malachura, *Kirby*, *Mon. Ap. Angl.* ii. 67, 26, ♀.
Halictus malachurus, *Smith*, *Zool.* vi. 2106, 14.

HAB.—Hammersmith.

16. HALICTUS ABDOMINALIS. B. M.

Apicis desertus, *Harris*, *Expos.* 135, 19, t. 39, f. 19, ♂ ?
Apis bicincta, *Schrank*, *Ins. Aust.* 411, 826, ♂ var. ?
Hylæus abdominalis, *Panz. Faun. Germ.* 53, 18, ♂.
Melitta abdominalis, *Kirby*, *Mon. Ap. Angl.* ii. 73, 30, ♂ var.
Melitta fulvocincta, *Kirby*, *Mon. Ap. Angl.* ii. 68, 28, ♀.
Andrena vulpina, *Fab. Syst. Piez.* 326, 19, ♀. *Panz. Faun. Germ.* 97, 18, ♀.
Halictus terebrator, *Walken. Mém. Halict.* 72, ♂, ♀.
Halictus vulpinus, *St. Farg. Hist. Nat. Ins.* ii. 276, 15.
Halictus fulvocinctus, *Nyland. Act. Soc. Sc. Fenn.* 199, 4.
Halictus abdominalis, *Smith*, *Zool.* vi. 2106, 15.

HAB.—Britain.

17. HALICTUS INTERRUPTUS. B. M.

Hylæus interruptus, *Panz. Faun. Germ.* 55, 4.
Halictus interruptus, *St. Farg. Hist. Nat. Ins.* ii. 288, 32. *Smith*, *Zool.* vi. 2167, 16.

HAB.—Kingsbridge Devon.

18. HALICTUS ALBIPES. B. M.

Apis albipes, *Fab. Mant. Ins.* i. 306, 92, ♂. *Panz. Faun. Germ.* 7. 15.
Hylæus albipes, *Fab. Ent. Syst.* ii. 306, ♂.
Melitta albipes, *Kirby*, *Mon. Ap. Angl.* ii. 71, 29, ♂.

Melitta obovata, *Kirby, Mon. Ap. Angl.* ii. 75, 31. ♀.
Prosopis albipes, *Fab. Syst. Piez.* 294, 4, ♂.
Halictus albipes, *St. Farg. Hist. Nat. Ins.* ii. 287, 31, ♂. *Smith, Zool.* vi. 2167, 17, ♂, ♀.
Halictus fulvocinctus, *Nyland. Act. Soc. Sc. Fenn.* 199, 4, ♂ var.
HAB.—Britain.

19. HALICTUS PRASINUS.

Halictus prasinus, *Smith, Zool.* vi. 2169, 18.
HAB.—Bournmouth Wales.

20. HALICTUS LUGUBRIS. B. M.

Melitta lugubris, *Kirby, Mon. Ap. Angl.* ii. 31, 86, ♂.
Melitta lævigata, *Kirby, Mon. Ap. Angl.* ii. 75, 32, ♀.
Halictus lævigatus, *St. Farg. Hist. Nat. Ins.* ii. 274, 12, ♀.
Halictus lugubris, *Smith, Zool.* vi. 2169, 19, ♂, ♀.
HAB.—Britain.

21. HALICTUS FULVICORNIS. B. M.

Melitta fulvicornis, *Kirby, Mon. Ap. Angl.* ii. 67, 27, ♂.
Halictus fulvicornis, *Smith, Zool.* vi. 2170, 20.
HAB.—London district.

22. HALICTUS LEUCOZONIUS. B. M.

Apis leucozonia, *Schrank, Ins. Aust.* 406, 319, ♀. *Rossi, Mant.* 319.
Melitta leucozonia, *Kirby, Mon. Ap. Angl.* ii. 76, 33, ♂, ♀.
Halictus leucozonius, *St. Farg. Hist. Nat. Ins.* ii. 275, 13, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* 199, 3. *Smith, Zool.* vi. 2171, 21.
HAB.—Britain.

23. HALICTUS ZONULUS.

Halictus zonulus, *Smith, Zool.* vi. 2171, 22, ♂, ♀.
HAB.—London district, Bristol, Scotland.

24. HALICTUS MACULATUS.

Halictus maculatus, *Smith*, *Zool.* vi. 2172, 23, ♀.

HAB.—Cove Common Hants.

25. HALICTUS QUADRINOTATUS. B. M.

Melitta quadrinotata, *Kirby*, *Mon. Ap. Angl.* ii. 79, 35, ♂, ♀.
Halictus quadrinotatus, *Smith*, *Zool.* vi. 2173, 24.

HAB.—Britain.

26. HALICTUS XANTHOPUS. B. M.

Melitta xanthopus, *Kirby*, *Mon. Ap. Angl.* ii. 78, 34, ♂, ♀.
Lasioglossum tricingulum, *Curtis*, *Brit. Ent.* x. t. 418, ♂.
Halictus xanthopus, *St. Farg. Hist. Nat. Ins.* ii. 273, 10, ♂, ♀.
Smith, *Zool.* vi. 2173, 25.

HAB.—Brighton and places near the Coast.

27. HALICTUS SEXNOTATUS. B. M.

Melitta sexnotata, *Kirby*, *Mon. Ap. Angl.* ii. 82, 37, t. 15, f. 7, 8, ♂, ♀.
Halictus sexnotatus, *Walken. Mem. Halict.* 72. *St. Farg. Hist. Nat. Ins.* ii. 273, 11. *Smith*, *Zool.* vi. 2174, 26.

HAB.—Weybridge, and Barham Suffolk.

5. ANDRENA.

Apis, pt., *Linn. Syst. Nat.* i. 953, 1766.
Andrena, pt., *Fab. Syst. Ent.* 376, 1793.
Nomada, pt., *Fab. Ent. Syst.* ii. 345, 1793.
Melitta, pt., *Kirby*, *Mon. Ap. Angl.* i. 140, 1802.

Div. A. *Clypeus of the Males luteous.*

1. ANDRENA HÆMORRHOIDALIS. B. M.

Melitta hæmorrhoidalis, *Kirby*, *Mon. Ap. Angl.* ii. 141, 81, ♂, ♀.
Melitta Lathamana, *Kirby*, *Mon. Ap. Angl.* ii. 83, 38, ♀ var.
Andrena hæmorrhoidalis, *Smith*, *Zool.* v. 1664, 1, ♂, ♀.

HAB.—Darenth, Erith, and Birch Wood Kent, Devon.

2. ANDRENA FULVESCENS. B. M.

Melitta fulvescens, *Kirby, MSS.*
Andrena fulvescens, *Smith, Zool.* v. 1732, 10.
HAB.—London district and Hants.

3. ANDRENA CHRYSOSCELES. B. M.

Melitta chrysosceles, *Kirby, Mon. Ap. Angl.* 143, 82.
Andrena chrysosceles, *Nyland. Act. Soc. Sc. Fenn.* 218, 15. *Smith, Zool.* v. 1917, 47.
HAB.—Britain.

4. ANDRENA LABIALIS. B. M.

Melitta labialis, *Kirby, Mon. Ap. Angl.* ii. 148, 87, ♂.
Andrena labialis, *Smith, Zool.* v. 1921, ♂, ♀.
HAB.—Hampstead, Highgate, and North of England.

5. ANDRENA SEPARATA.

Andrena separata, *Smith, Zool.* v. 1922, 55.
HAB.—Highgate.

6. ANDRENA FRONTALIS.

Andrena frontalis, *Smith, Zool.* vii. *App.* 59.
HAB.—Devonshire.

7. ANDRENA ANALIS.

Andrena analis, *Panz. Faun. Germ.* 90, 15, ♂. *Smith, Zool.* v. 1920, 53, ♂, ♀.
Andrena tarsata, *Nyland. Act. Soc. Sc. Fenn.* 223, 22, ♂.
HAB.—Penmansheil Wood, Cockburnspath, Berwick; Ireland.

8. ANDRENA COITANA. B. M.

Melitta Coitana, *Kirby, Mon. Ap. Angl.* ii. 147, 86, ♂.
Andrena Coitana, *Smith, Zool.* v. 1919, 51, ♂, ♀.
Andrena nana, *Nyland. Act. Soc. Sc. Fenn.* ♂.
HAB.—Kirkpatrick Juxta, Moffat, N. B.

9. ANDRENA LABIATA. B. M.

Andrena labiata, *Fab. Ent. Syst.* ii. 308, 5, ♂.
Nomada cingulata, *Fab. Ent. Syst.* ii. 349, 15, ♀. *Rossi, Mant.* 326.
Apis albilabris, *Panz. Faun. Germ.* 56, 23, ♂.
Apis sphegoides, *Panz. Faun. Germ.* 56, 24, ♀.
Melitta cingulata, *Kirby, Mon. Ap. Angl.* ii. 88, 41, ♂, ♀.
Andrena cingulata, *St. Farg. Hist. Nat. Ins.* ii, 257, 29. *Nyland. Act. Soc. Sc. Fenn.* 210, 3. *Smith, Zool.* v. 1668, 5.

HAB.—London district, &c.

Div. B. *Abdomen of one or both sexes red, or banded with red.*

10. ANDRENA CETII. B. M.

Apis Cetii, *Schrank, Ins. Aust.* 405, 818, ♀.
Andrena marginata, *Fab. Ent. Syst.* ii. 309, 10, ♀.
Nomada Hattorfiana, *Fab. Ent. Syst.* ii. 349, 18, var. ♀.
Andrena marginata, *Panz. Faun. Germ.* 72, 15, ♀.
Melitta Schrankella, *Kirby, Mon. Ap. Angl.* ii. 90, 42, ♀.
Andrena marginata, *St. Farg. Hist. Nat. Ins.* ii. 255, 26, ♀. *Nyland. Act. Soc. Sc. Fenn.* 209, 2.
Andrena Cetii, *Smith, Zool.* v. 1668, 6, ♂, ♀.

HAB.—Arundel, Sussex; Barham, Suffolk.

11. ANDRENA EXIMIA. B. M.

Andrena eximia, *Smith, Zool.* v. 1930, 70, ♂.
Andrena Rosæ, *Smith, Zool.* v. 1665, 2, ♀, not var. 2, 3, 4, not *Panz.*
Andrena spinigera, *Smith, Zool.* v. 1670, 7, ♂ var. 3, not *Kirby.*
Andrena eximia, *Smith, Zool.* vi. 2211, ♀.

HAB.—Hastings; Pembury, and Bexley, Kent.

12. ANDRENA ROSÆ. B. M.

Andrena Rosæ, *Panz. Faun. Germ.* 74, 10. *Spin. Ins. Lig.* ii. 192, 19.
Melitta Rosæ, *Kirby, Mon. Ap. Angl.* ii. 83, 39, ♀ var. β.
Melitta zonalis, *Kirby, Mon. Ap. Angl.* ii. 87, 40, ♂.
Andrena Rosæ, *Smith, Zool.* v. 1665, 2, var. 2, 3, 4, ♀.

HAB.—Darenth Wood; and Shirley, Surrey.

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13. ANDRENA RUBRICATA. B. M.

Melitta Rosæ, *Kirby, Mon. Ap. Angl.* ii. 85, var. δ, ε, ♀, and the ♂ described.
Andrena rubricata, *Smith, Zool.* v. 1666, 3.
HAB.—Highgate; and Blackwater, Hants.

14. ANDRENA DECORATA.

Andrena decorata, *Smith, Zool.* v. 1667, 4.
HAB.—Birch Wood, Kent.

15. ANDRENA SPINIGERA.

Melitta spinigera, *Kirby, Mon. Ap. Angl.* ii. 123, 63, ♂.
Andrena spinigera, *Smith, Zool.* v. 1669, 7, not var. 3, ♂.
HAB.—Barham Suffolk; Highgate, Epping and Hammersmith.

16. ANDRENA FEROX.

Andrena ferox, *Smith, Zool.* v. 1670, 8.
HAB.—Windsor.

Div. C. *Segments of the Abdomen without marginal fasciæ.*

17. ANDRENA FULVAGO. B. M.

Apis fulvago, *Christ. Hym.* 189, t. 16, f. 7, ♀.
Melitta fulvago, *Kirby, Mon. Ap. Angl.* ii. 93, 44.
Andrena fulvago, *St. Farg. Hist. Nat. Ins.* ii. 243, 11. *Smith, Zool.* v. 1732, 9.
HAB.—London district; and Hawley, Hants.

18. ANDRENA POLITA.

Andrena polita, *Smith, Zool.* v. 1733, 11.
HAB.—Gravesend.

19. ANDRENA ALBICANS. B. M.

Apis hæmorrhoidalis, *Christ. Hym.* 189, t. 16, f. 8?
Melitta albicans, *Kirby, Mon. Ap. Angl.* ii. 94, 45.
Andrena albicans, *St. Farg. Hist. Nat. Ins.* ii. 242, 10. *Nyland. Act. Soc. Sc. Fenn.* 215, 11. *Smith, Zool.* v. 1734, 12.

HAB.—Britain.

20. ANDRENA PILIPES. B. M.

Apis atra, *Schrank, Ins. Aust.* 403, 814?
Andrena pilipes, *Fab. Mant.* 298, 13. *St. Farg. Hist. Nat. Ins.* ii. 236, 3. *Nyland. Act. Soc. Sc. Fenn.* 210, 4.
Apis carbonaria, *Christ. Hym.* 201, t. 17, f. 13.
Andrena carbonaria, *Fab. Ent. Syst.* ii. 312, 22.
Andrena aterrima, *Panz. Faun. Germ.* 64, 19. *Latr. Hist. Nat.* xiii. 363, 3.
Melitta pilipes, *Kirby, Mon. Ap. Angl.* ii. 96, 46, ♀.
Melitta pratensis, *Kirby, Mon. Ap. Angl.* ii. 100, 48, ♂.
Andrena pratensis, *Nyland. Act. Soc. Sc. Fenn.* 211, 5, ♂, ♀.
Andrena atra, *Smith, Zool.* v. 1734, 13.

HAB.—Kent.

21. ANDRENA CINERARIA. B. M.

Apis cineraria, *Linn. Faun. Suec.* 420, 1688, *and Cab. Mus. Linn. Soc. Fab. Ent. Syst.* ii. 329, 67.
Apis atra, *Christ. Hym.* 174, t. 14, f. 1. *Panz. Faun. Germ.* 56, 14.
Apis cinerea, *Fourc. Ins. Paris*, ii. 444, 8.
Melitta cineraria, *Kirby, Mon. Ap. Angl.* ii. 98, 47.
Andrena cineraria, *Latr. Hist. Nat.* xiii. 362, 1. *St. Farg. Hist. Nat. Ins.* ii. 238, 6. *Nyland. Act. Soc. Sc. Fenn.* 211, 6. *Smith, Zool.* v. 1735, 14.

HAB.—Britain.

22. ANDRENA THORACICA. B. M.

Apis thoracica, *Fab. Syst. Ent.* 383, 31, ♀. *Schrank, Ins. Aust.* 178, t. 14, f. 6.
Apicis assiduus, *Harris, Expos.* 138, t. 40, f. 19.

Apis bicolor, *Rossi*, *Faun. Etrus.* ii. 97, 896. *Christ. Hym.* 178, t. 14, f. 6, ♂.
Andrena bicolor, *Panz. Faun. Germ.* 65, 19, ♂.
Melitta thoracica, *Mon. Ap. Angl.* ii. 101, 49, ♀.
Melitta melanocephala, *Kirby*, *Mon. Ap. Angl.* ii. 103, 50, ♂ var.
Andrena thoracica, *Fab. Syst. Piez.* 322, 3. *Spin. Ins. Lig.* i. 120, 3. *St. Farg. Hist. Nat. Ins.* ii. 239, 7. *Smith*, *Zool.* v. 1735, 15.

HAB.—Kent and Hants.

23. ANDRENA NITIDA. B. M.

Apis nitida, *Fourc. Ent. Par.* ii. 443, 2.
Melitta nitida, *Kirby*, *Mon. Ap. Angl.* ii. 104, 51. *St. Farg. Hist. Nat. Ins.* ii. 237, 5. *Smith*, *Zool.* v. 1736, 16, not the nitida of *Fab. & Panz.*

HAB.—Britain.

24. ANDRENA CONSIMILIS.

Andrena consimilis, *Smith*, *Zool.* v. 1736, 17.

HAB.—Coombe Wood, Surrey.

25. ANDRENA VITREA.

Andrena vitrea, *Smith*, *Zool.* v. 1737, 18.

HAB.—Locality not known.

26. ANDRENA ATRICEPS. B. M.

Melitta atriceps, *Kirby*, *Mon. Ap. Angl.* ii. 114, 55, ♂.
Melitta tibialis, *Kirby*, *Mon. Ap. Angl.* ii. 107, 52, ♀.
Andrena tibialis, *Smith*, *Zool.* v. 1737, 19, ♀, ♀.

HAB.—Britain.

27. ANDRENA MOUFFETELLA.

Melitta Mouffetella, *Kirby*, *Mon. Ap. Angl.* ii. 108, 53.
Andrena Mouffetella, *Smith*, *Zool.* v. 1738, 20.

HAB.—Holdershot Common, Hants; and Barham, Suffolk.

28. ANDRENA NIGROÆNEA. B. M.

Melitta nigroænea, *Kirby*, ii. 109, 54, ♀.
Andrena nigro-ænea, *Smith*, *Zool.* v. 1739, 21, ♂, ♀.
HAB.—Britain.

29. ANDRENA BIMACULATA. B. M.

Melitta bimaculata, *Kirby*, *Mon. Ap. Angl.* ii. 115, 56.
Andrena bimaculata, *Smith*, *Zool.* v. 1739, 22.
HAB.—Barham, Suffolk.

30. ANDRENA TRIMMERANA. B. M.

Melitta Trimmerana, *Kirby*, *Mon. Ap. Angl.* ii. 116, 57, ♀.
Andrena Trimmerana, *Smith*, *Zool.* v. 1740, 23, ♂, ♀.
HAB.—Britain.

31. ANDRENA LONGIPES. B. M.

Andrena longipes, *Shuck. MSS.* *Smith*, *Zool.* v. 1740, 24, ♂, ♀.
Andrena bucephala, *Steph. Mand.* vii. *Supp.* 17, var. ♂, t. 43, f. 4.
HAB.—Highgate Archway, and Hampstead Heath.

32. ANDRENA VARIANS. B. M.

Apis varians, *Rossi*, *Mant.* 317. *Panz. Faun. Germ.* 56, 12.
Melitta varians, *Kirby*, *Mon. Ap. Angl.* ii. 117, 58.
Andrena Lapponica, *Zett. Ins. Lapp.* 460, 4?
Andrena varians, *Nyland. Act. Soc. Sc. Fenn.* 213, 9. *Smith*, *Zool.* v. 1741, 25.
HAB.—Britain.

33. ANDRENA HELVOLA. B. M.

Apis helvola, *Linn. Syst. Nat.* i. 955, 16, *and Cab. Mus. Linn. Soc. Fab. Ent. Syst.* ii. 310, 11.
Melitta helvola, *Kirby*, *Mon. Ap. Angl.* ii. 119, '59, t. 15, f. 9, ♀.
Andrena helvola, *Smith*, *Zool.* v. 1742, 26, ♂, ♀.
HAB.—Britain.

34. ANDRENA GWYNANA. B. M.

Apis helvola, (p.) *Linn. Faun. Suec. Descr. and var. Cab. Mus. Linn. Soc. Rossi, Faun. Etrus.* ii. 97, 895.
Melitta Gwynana, *Kirby, Mon. Ap. Angl.* ii. 120, 60.
Andrena Gwynana, *Nyland. Act. Soc. Sc. Fenn.* 213, 8. *Smith, Zool.* v. 1742, 27.

HAB.—Britain.

35. ANDRENA ÆSTIVA.

Andrena proxima, *Smith, Zool.* v. 1743, 28.
Andrena consimilis, *Smith, Zool.* vi. 2214.
Andrena æstiva, *Smith, Zool.* vii. *Appen.* 60.

HAB.—Weybridge, &c., and Scotland.

36. ANDRENA FUCATA.

Andrena fucata, *Smith, Zool.* v. 1743, 29.

HAB.—London district; Bristol; Scotland.

37. ANDRENA DISTINCTA.

Andrena distincta, *Smith, Zool.* v. 1744, 30.

HAB.—Locality not known.

38. ANDRENA CONJUNCTA.

Andrena conjuncta, *Smith, Zool.* v. 1744, 31.

HAB.—Highgate.

39. ANDRENA ANGUSTIOR. B. M.

Melitta angustior, *Kirby, Mon. Ap. Angl.* ii. 122, 61.
Andrena angustior, *Smith, Zool.* v. 1745, 32.

HAB.—Plumstead Wood, Kent.

40. ANDRENA PICICORNIS.

Melitta picicornis, *Kirby, Mon. Ap. Angl.* ii. 123, 62.
Andrena picicornis, *Smith, Zool.* v. 1745, 33.

HAB.—Hawley, Hants; and Barham, Suffolk.

41. ANDRENA PICIPES.

Melitta picipes, *Kirby, Mon. Ap. Angl.* ii. 127, 66.
Andrena picipes, *Smith, Zool.* v. 1746, 34.

HAB.—Locality not known.

42. ANDRENA FULVA. B. M.

Apis fulva, *Schrank, Ins. Aust.* 400, 805.
Apis vestita, *Fab. Ent. Syst.* ii. 329, 65. *Panz. Faun. Germ.* 55, 9.
Apis vulpina, *Christ. Hym.* 161, 12, 13.
Melitta fulva, *Kirby, Mon. Ap. Angl.* ii. 128, 68, ♀.
Melitta armata, *Kirby, Mon. Ap. Angl.* ii. 121, 64, ♂.
Andrena vestita, *Latr. Hist. Nat.* xiii. 362, 2, ♀. *Fab. Syst. Piez.* 323, 4, ♀. *Coqueb. Ill. Ic. Ins.* 25, t. 6, f. 7, ♀. *Spin. Ins. Lig.* ii. 191, 4, ♀.
Andrena fulva, *St. Farg. Hist. Nat. Ins.* ii. 245, 14, ♀. *Nyland. Act. Soc. Sc. Fenn.* 214, 10, ♀. *Smith, Zool.* v. 1746, 35, ♂, ♀.

HAB.—Britain.

43. ANDRENA BICOLOR. B. M.

Andrena bicolor, *Fab. Ent. Syst.* ii. 310, 12, ♀. *St. Farg. Hist. Nat. Ins.* ii. 243, 12, ♀.
Andrena lucida, *Panz. Faun. Germ.* 56, 1, ♀.
Melitta Clarkella, *Kirby, Mon. Ap. Angl.* ii. 130, 69, ♀.
Andrena dispar, *Zett. Ins. Lapp.* 460, 2, ♀.
Andrena Clarkella, *Nyland. Act. Soc. Sc. Fenn.* 212, 7, ♀. *Smith, Zool.* v. 1747, 36, ♂, ♀.

HAB.—London district; also in Scotland.

44. ANDRENA SMITHELLA.

Melitta Smithella, *Kirby, Mon. Ap. Angl.* ii. 131, 70.
Andrena Smithella, *Smith, Zool.* v. 1748, 37.

HAB.—Bristol; and Barham, Suffolk.

45. ANDRENA APICATA.

Andrena apicatus, *Smith*, *Zool.* v. 1748, 38.

HAB.—Bristol; and Birch Wood, Kent.

46. ANDRENA NIGRICEPS. B. M.

Melitta nigriceps, *Kirby*, *Mon. Ap. Angl.* ii. 134, 73, ♀, not the ♂.
Andrena nigriceps, *Smith*, *Zool.* v. 1749, 40, ♀.

HAB.—Bournmouth, Hants; and Barham, Suffolk.

47. ANDRENA LACINIA.

Andrena lacinia, *Smith*, *Zool.* v. 1751, 44.

HAB.—Locality not known.

48. ANDRENA APRILINA.

Andrena Aprilina, *Smith*, *Zool.* vi. 2211.

HAB.—Bournmouth, Hants.

49. ANDRENA PILOSULA.

Melitta pilosula, *Kirby*, *Mon. Ap. Angl.* ii. 164, 104.
Andrena pilosula, *Smith*, *Zool.* v. 1926, 65.

HAB.—London district, &c.

50. ANDRENA CONSTRICTA.

Andrena constrictus, *Smith*, *Zool.* vii. *App.* 59.

HAB.—Kirkpatrick Juxta, Moffat, N. B.

Div. D. *Segments of the Abdomen with white, or pale marginal fasciæ.*

51. ANDRENA TRIDENTATA.

Melitta tridentata, *Kirby*, *Mon. Ap. Angl.* ii. 132, 71.
Andrena bidentata, *Smith*, *Zool.* v. 1749 and vi. 2214.

HAB.—London district, and Southend; Melton, Suffolk.

52. ANDRENA ARTICULATA.

Andrena articulata, *Smith*, *Zool.* v. 1750, 41.

HAB.—Hampstead.

53. ANDRENA PUBESCENS. B. M.

Apis pubescens, *Fab. Ent. Syst.* ii. 336, 95, ♂.
Melitta pubescens, *Kirby*, *Mon. Ap. Angl.* ii. 141, 80, ♂.
Melitta fuscipes, *Kirby*, *Mon. Ap. Angl.* ii. 136, 75, ♀.
Andrena cincta, *Nyland. Act. Soc. Sc. Fenn.* 220, 18, ♂, ♀.
Andrena fuscipes, *Smith*, *Zool.* v. 1751, 43, ♂, ♀.

HAB.—Hants; Weybridge; on Heaths.

54. ANDRENA DENTICULATA.

Melitta denticulata, *Kirby*, *Mon. Ap. Angl.* ii. 133, 72, ♂.
Melitta Listerella, *Kirby*, *Mon. Ap. Angl.* ii. 137, 76, ♀.
Andrena Listerella, *Nyland. Act. Soc. Sc. Fenn.* 219, 17, ♀, ♂?
Smith, *Zool.* v. 1752, 45, ♂, ♀.

HAB.—Southend; Gravesend; and Barham, Suffolk.

55. ANDRENA SIMILIS. B. M.

Andrena similis, *Smith*, *Zool.* vii. *App.* 60.

HAB.—Bristol.

56. ANDRENA FULVICRUS. B. M.

Melitta fulvicrus, *Kirby*, *Mon. Ap. Angl.* ii. 138, 77, ♂, ♀.
Melitta contigua, *Kirby*, *Mon. Ap. Angl.* ii. 140, 79, ♂ var.
Andrena fulvicrus, *Smith*, *Zool.* v. 1916, 46.

HAB.—Britain.

57. ANDRENA EXTRICATA.

Andrena extricatus, *Smith*, *Zool.* vii. *App.* 59.

HAB.—Weymouth, Dorset.

58. ANDRENA KIRBII.

Andrena Kirbii, *Curtis*, *Brit. Ent.* iii. t. 129. *Smith*, *Zool.* v. 1922, 56.

HAB.—Norwich?

59. ANDRENA DORSATA.

Melitta dorsata, *Kirby*, *Mon. Ap. Angl.* ii. 144, 83.
Andrena dorsata, *Smith*, *Zool.* v. 1918, 48.

HAB.—Weybridge, Surrey.

60. ANDRENA WILKELLA.

Melitta Wilkella, *Kirby*, *Mon. Ap. Angl.* ii. 145, 84.
Andrena Wilkella, *Smith*, *Zool.* v. 1918, 49.

HAB.—London district.

61. ANDRENA ARGENTATA. B. M.

Andrena argentata, *Smith*, *Zool.* v. 1920, 52.

HAB.—Sandhurst, Weybridge and Parley Heath.

62. ANDRENA COLLINSONANA. B. M.

Melitta Collinsonana, *Kirby*, *Mon. Ap. Angl.* ii. 153, 93, ♂.
Melitta proxima, *Kirby*, *Mon. Ap. Angl.* ii. 146, 85, ♀.
Melitta digitalis, *Kirby*, *Mon. Ap. Angl.* ii. 159, 99, ♀, var.
Andrena proxima, *Smith*, *Zool.* v. 1918, 50.

HAB.—Weybridge and Bristol.

63. ANDRENA LEWINELLA.

Melitta Lewinella, *Kirby*, *Mon. Ap. Angl.* ii. 149, 88, ♂.
Andrena Lewinella, *Smith*, *Zool.* v. 1923, 57.

HAB.—Barham, Suffolk.

64. ANDRENA COMBINATA. B. M.

Melitta combinata, *Kirby*, *Mon. Ap. Angl.* ii. 153, 94.
Melitta nudiuscula, *Kirby*, *Mon. Ap. Angl.* ii. 155, 95, var.
Andrena combinata, *Smith*, v. 1923, 58.
Andrena barbatula, *Nyland. Act. Soc. Sc. Fenn.* 218, 16 ♀ ?

HAB.—London district; Weybridge.

65. ANDRENA ALBICRUS. B. M.

Melitta albicrus, *Kirby*, *Mon. Ap. Angl.* ii. 156, 96.
Melitta barbilabris, *Kirby*, *Mon. Ap. Angl.* ii. 151, 91, var. ♂ ?
Andrena albicrus, *Smith*, *Zool.* v. 1924, 59.

HAB.—Britain.

66. ANDRENA CONNECTENS.

Melitta connectens, *Kirby*, *Mon. Ap. Angl.* ii. 157, 97.
Andrena connectens, *Smith*, *Zool.* v. 1924, 60.

HAB.—Barham, Suffolk; and London district.

67. ANDRENA MINUTULA. B. M.

Melitta minutula, *Kirby*, *Mon. Ap. Angl.* ii. 161, 101.
Andrena minutula, *Smith*, *Zool.* v. 1925, 61.

HAB.—Britain.

68. ANDRENA NANA.

Melitta nana, *Kirby*, *Mon. Ap. Angl.* ii. 161, 102.
Andrena nana, *Nyland. Act. Soc. Sc. Fenn.* 221, 19, ♀. *Smith*, *Zool.* v. 1925, 62.

HAB.—Britain.

69. ANDRENA PARVULA. B. M.

Melitta parvula, *Kirby*, *Mon. Ap. Angl.* ii. 162, 103.
Andrena parvula, *Smith*, *Zool.* v. 1925, 63.

HAB.—Britain.

70. ANDRENA SHAWELLA. B. M.

Melitta Shawella, *Kirby, Mon. Ap. Angl.* ii. 160, 100.
Andrena Shawella, *Smith, Zool.* v. 1926, 64.

HAB.—Southend, Gravesend, &c.

71. ANDRENA CONVEXIUSCULA. B. M.

Melitta convexiuscula, *Kirby, Mon. Ap. Angl.* ii. 166, 106.
Andrena convexiuscula, *Smith, Zool.* v. 1927, 66.

HAB.—Glanville's Wootton, Dorset; Hawley, Hants; and Bantham, Devon.

72. ANDRENA XANTHURA. B. M.

Melitta xanthura, *Kirby, Mon. Ap. Angl.* ii. 164, 105, ♀.
Melitta ovatula, *Kirby, Mon. Ap. Angl.* ii. 149, 89, ♂, var.
Melitta contigua, *Kirby, Mon. Ap. Angl.* ii. 140, 79, ♂, var.?
Andrena xanthura, *Smith, Zool.* v. 1928, 67.

HAB.—Britain.

73. ANDRENA FUSCATA. B. M.

Melitta fuscata, *Kirby, Mon. Ap. Angl.* ii. 167, 107, ♀.
Andrena fuscata, *Smith, Zool.* v. 1929, 68, ♂, ♀.

HAB.—Hampstead Heath, &c.

74. ANDRENA AFZELIELLA. B. M.

Melitta Afzeliella, *Kirby, Mon. Ap. Angl.* ii. 169, 108, ♀.
Andrena Afzeliella, *Smith, Zool.* v. 1929, 69, ♂, ♀.

HAB.—Britain.

6. CILISSA.

Andrena, pt., *Fab. Ent. Syst.* ii. 307, 1793.
Melitta, pt., *Kirby, Mon. Ap. Angl.* i. 140, * * *e*, 1802.
Cilissa, *Leach, Edin. Enc.* 9, 1812.
Kirbya, *St. Farg. Hist. Nat. Ins.* ii. 145, 1841.

1. CILISSA HÆMORRHOIDALIS. B. M.

Andrena hæmorrhoidalis, *Fab. Ent. Syst.* ii. 313, 25. *Panz. Faun. Germ.* 65, 20. *Zett. Ins. Lapp.* 459, 1.
Melitta chrysura, *Kirby, Mon. Ap. Angl.* ii. 172, 110. *St. Farg. Hist. Nat. Ins.* ii. 214, 2.
Cilissa hæmorrhoidalis, *Leach, Edin. Enc.* ix. 155. *Smith, Zool.* vi. 2207, 1.
Kirbya chrysura, *St. Farg. Hist. Nat. Ins.* ii. 146, 2 !! *Nyland. Act. Soc. Sc. Fenn.* i. 246, 1.

HAB.—Barham, Suffolk; Shirley, Surrey; and Bristol.

2. CILISSA TRICINCTA. B. M.

Melitta tricincta, *Kirby, Mon. Ap. Angl.* ii. 171, 109. *St. Farg. Hist. Nat. Ins.* ii. 213, 1.
Cilissa tricincta, *Leach, Edin. Enc.* ix. 155. *Smith, Zool.* vi. 2208, 2.
Kirbya tricincta, *St. Farg. Hist. Nat. Ins.* ii. 145, 1 !! *Nyland. Adnot. Ap. Boreal. Süllsk. Faun. Flo. Fenn.* ii. *Supp.* ♀.

HAB.—Hampstead, Charlton, Gravesend, &c.

7. MACROPIS.

Megilla, *Dufour, Ann. Soc. Ent. Fr.* vii. ♂, ♀, 1838.
Andrena, *Latr. Gen. Crust. Ins.* iv. 151, sec. 2, gen. 542, 1809.
Scrapter, *St. Farg. Hist. Nat. Ins.* ii. 260, 1841.
Macropis, *Klug, MSS. Panz. Faun. Germ.* 107, 16, 1809.

1. MACROPIS LABIATA. B. M.

Macropis labiata, *Panz. Faun. Germ.* 107, 16, ♂. *Smith, Zool.* iv. 1279, 1, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* ♂, ♀, i. 248, 1.
Andrena lagopus, *Latr. Gen. Crust. Ins.* iv. 151, 2, ♀ ?
Scrapter lagopus, *St. Farg. Hist. Nat. Ins.* ii. 261, 2, ♀ ?

HAB.—New Forest, Leicester, and Weybridge.

8. DASYPODA.

Andrena, pt., *Fab. Ent. Syst.* ii. 307, 1793.
Melitta, pt., *Kirby, Mon. Ap. Angl.* i. 140, ** *e*, 1802.
Dasypoda, *Latr. Hist. Nat.* xiii. 369, 1805.

1. DASYPODA HIRTIPES. B. M.

Andrena hirtipes, *Fab. Ent. Syst.* ii. 312, 24, ♀.
Andrena hirta, *Fab. Ent. Syst.* ii. 335, 92.
Andrena plumipes, *Panz. Faun. Germ.* 46, 16, ♀?
Andrena farfarisequa, *Panz. Faun. Germ.* 55, 14, ♂.
Melitta Swammerdamella, *Kirby, Mon. Ap. Angl.* ii. 174, 111, ♂, ♀.
Dasypoda hirtipes, *Latr.* xiii. 369, 1. *St. Farg. Hist. Nat. Ins.* ii. 229, 1. *Nyland. Act. Soc. Sc. Fenn.* i. 225, 1. *Smith, Zool.* vi. 2241, 1.
Trachusa hirtipes, *Jurine, Hym.* 250.
Dasypoda plumipes, *Leach, Edin. Enc.* ix. 155.

HAB.—Barham, Suffolk; Charlton and Birch Wood, Kent; Southend; Budleigh Salterton, Devon; Isle of Wight, &c.

9. PANURGUS.

Apis, pt., *Scop. Ent. Carn.* 298, 1763.
Philanthus, pt., *Fab. Ent. Syst.* ii. 288, 1793.
Andrena, pt., *Panz. Faun. Germ.* 69, 1800.
Trachusa, pt., *Panz. Faun. Germ.* 96, 1800.
Dasypoda, pt., *Fab. Syst. Piez.* 335, 1804.
Panurgus, *Panz. Krit. Revis.* 211, 1805.
Eriops, *Klug, Illig. Mag.* vi. 1806.

1. PANURGUS CALCARATUS. B. M.

Apis calcarata, *Scop. Ent. Carn.* 301, 803, ♂.
Philanthus ater, *Fab. Ent. Syst.* ii. 292, 13, ♂.
Apis ursina, *Kirby, Mon. Ap. Angl.* ii. 178, 1, var. β, ♀.
Apis Linnæella, *Kirby, Mon. Ap. Angl.* ii. 179, 2, ♂.
Andrena lobata, *Panz. Faun. Germ.* 72, 16, ♂.
Dasypoda lobata, *Fab. Syst. Piez.* 336, 3, ♂.
Trachusa lobata, *Panz. Faun. Germ.* 96, 18, ♂.
Panurgus ater, *Panz. Krit. Revis.* 211, ♂.
Panurgus lobatus, *Latr. Enc.* viii. 719, 3, ♂, ♀. *St. Farg. Hist. Nat. Ins.* ii. 225, 2, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* i. 225, 2, ♂, ♀.
Panurgus calcaratus, *Smith, Zool.* iv. 1452, 2, ♂, ♀.

HAB.—Blackheath, Darenth, Weybridge; and Hawley, Hants.

2. PANURGUS BANKSIANA. B. M.

Apis Banksiana, *Kirby, Mon. Ap. Angl.* ii. 179, 3, *and Cab. Mus. Ent. Soc.* ♂. *Don. Brit. Ins.* xii. 26, t. 403, f. 2.
Apis ursina, *Kirby, Mon. Ap. Anyl.* ii. 178, 1, not var. β, *and Cab. Mus. Ent. Soc.* ♀.
Dasypoda ursina, *Latr. Hist. Nat.* xiii. 370, 2, ♀.
Trachusa atra, *Panz. Faun. Germ.* 69, 19, ♂.
Panurgus ater, *Latr. Enc.* viii. 720, 5, ♂, ♀. *St. Farg. Hist. Nat. Ins.* ii. 226, 4. *Nyland. Act. Soc. Sc. Fenn.* i. 224, 1.
Panurgus ursinus, *Curtis, Brit. Ent.* iii. t. 101. *Smith, Zool.* iv. 1051, 1.
HAB.—Hampstead Heath; and Heaths generally.

10. MEGACHILE.

Apis, pt., *Linn. Faun. Suec.* 419, 1761.
Anthophora, pt., *Fab. Syst. Piez.* 372, 1804.
Megachile, pt., *Latr. Hist. Nat.* xiv. 51, 1805.

1. MEGACHILE CENTUNCULARIS. B. M.

Apis centuncularis, *Linn. Faun. Suec.* 1687, *nec Linn. Cab. Scop. Ent. Carn.* 799. *Fab. Syst. Ent.* 385, 42. *Fourc. Ent. Par.* ii. 443, 5. *Schäff. Icon.* t. 262, f. 6, 7. *Rossi, Faun. Etrus.* 927. *Christ. Hym.* 165, t. 13, f. 5. *Kirby, Mon. Ap. Angl.* ii. 237, 42.
Apicis fastuosus, *Harris, Expos.* 165, 13, t. 50, f. 13?
Megachile centuncularis, *Latr. Ins.* iii. 383. *Spin. Ins. Lig.* i. 142, 10. *St. Farg. Hist. Nat. Ins.* ii. 337, 12. *Nyland. Act. Soc. Sc. Fenn.* i. 258, 4. *Smith, Zool.* ii. 695, 7.
Anthophora centuncularis, *Fab. Syst. Piez.* 378, 25. *Zett. Ins. Lapp.* 465, 3.
Reaum. Ins. vi. *Mem.* iv. t. 10, f. 2, 3, 4.
Frisch. xi. t. 2, f. 1—4.
Geoff. Ins. Par. ii. 410, 5.
HAB.—Britain; Decayed wood, old walls, and sometimes in the ground.

2. MEGACHILE VERSICOLOR.

Megachile versicolor, *Smith, Zool.* ii. 697, 9.
HAB.—Bristol, and Weybridge.

3. MEGACHILE LIGNISECA. B. M.

Apicis centuncularis, *Harris, Expos.* 162, 2, t. 49, f. 2.
Apis centuncularis, *Panz. Faun. Germ.* 55, 12. *Don. Brit. Ins.* iv. t. 120.
Apis ligniseca, *Kirby, Mon. Ap. Angl.* ii. 243, 44.
Megachile ligniseca, *Smith, Zool.* ii. 694, 4. *Nyland. Adnot. Ap. Boreal. Sällsk. Faun. Flo. Fenn.* ii. *Supp.* 102, ♀.

HAB.—London district, &c. Old posts, decaying trees, &c.

4. MEGACHILE RUFITARSIS.

Megachile rufitarsis, *Smith, Zool.* ii. 695, 2, ♂.
Megachile fasciata, *Smith, Zool.* ii. 694, 5, ♀.
Megachile pyrina, *St. Farg. Hist. Nat. Ins.* ii. 334, 8, ♂, ♀ ?

HAB.—Weybridge, Surrey.

5. MEGACHILE LEACHELLA. B. M.

Apis Leachella, *Kirby, MSS. Steph. Syst. Cat.* 374, 5061.
Megachile albiventris, *Smith, Zool.* ii. 696, 8, not *Panzer.*

HAB.—Southend, Weybridge; and Little Hampton Sussex.

6. MEGACHILE ODONTURA. B. M.

Megachile odontura, *Smith, Zool.* vii. *App.* 58.

HAB.—Spitchwick, Devon.

7. MEGACHILE MARITIMA. B. M.

Apis maritima, *Kirby, Mon. Ap. Angl.* ii. 242, 43, ♂. ♀.
Anthophora lagopoda, *Panz. Faun. Germ.* 55, 7, ♂. *Fab. Syst. Piez.* 374, 9, ♂ ?
Megachile maritima, *Smith, Zool.* ii. 692, 2 (not Apis lagapoda, *Linn.*)

HAB.—Hampshire, and Isle of Wight.

8. MEGACHILE WILLUGHBIELLA. B. M.

Apis Willughbiella, *Kirby, Mon. Ap. Angl.* ii. 233, 41.
Megachile Willughbiella, *Latr. Hist. Nat.* xiv. 57, 11. *Curt. Brit. Ent.* v. t. 218. *St. Farg. Hist. Nat. Ins.* ii. 333, 5. *Smith, Zool.* ii. 691, 1. *Nyland. Act. Soc. Sc. Fenn.* i. 256, 2, not the ♀.
Megachile fulviventris, *Zett. Ins. Lapp.*

HAB.—Britain, Old Willows, &c.

9. MEGACHILE CIRCUMCINCTA. B. M.

Apis circumcincta, *Kirby, Mon. Ap. Angl.* ii. 246, 45, ♀.
Megachile circumcincta, *St. Farg. Hist. Nat. Ins.* ii. 335, 9. *Smith, Zool.* ii. 693, 3, ♂, ♀. *Nyland. Adnot. Ap. Boreal. Sällsk. Faun. Flo. Fenn.* ii. *Supp.* 103, ♀.

HAB.—London district, &c., in banks.

11. OSMIA.

Apis, pt., *Linn. Syst. Nat.* 953, 1766.
Andrena, pt., *Fab. Syst. Ent.* ii. 307, 1793.
Anthophora, pt., *Fab. Syst. Piez.* 372, 1804.
Osmia, *Lat. Enc. Meth.* viii. 576, 1791.

1. OSMIA RUFA. B. M.

Apis rufa, *Linn. Faun. Suec.* 1690, ♂. *and Cab. Mus. Linn. Soc. Fab. Syst. Ent.* 385, 39. *Rossi, Faun. Etrus.* ii. 103, 913. *Panz. Faun. Germ.* 56, 10.
Apis bicornis, *Linn. Faun. Suec.* 1691, ♀, *and Cab. Mus. Linn. Soc. Fab. Syst. Ent.* 384, 38. *Christ. Hym.* 159, t. 12, f. 9. *Rossi, Mant.* 310. *Kirby, Mon. Ap. Angl.* ii. 271, 57.
Apicis bicornis, *Harris, Expos.* 162, t. 49, f. 4, ♀.
Apicis agino, *Harris, Expos.* 163, t. 49, f. 7, ♂.
Apis cornigera, *Rossi, Faun. Etrus.* ii. 108. 925, var. ♀.
Apis fronticornis, *Panz. Faun. Germ.* 63, t. 20, var. ♀.
Anthophora bicornis, *Fabr. Syst. Piez.* 375, 16, ♂, ♀. *Zett. Ins. Lapp.* 466, 5.
Anthophora fronticornis, *Fab. Syst. Piez.* 376, 17, ♀ var.

Osmia bicornis, *Latr. Enc.* viii. 576, 3, ♂, ♀. *St. Farg. Hist. Nat. Ins.* ii. 314, 2. *Smith, Zool.* ii. 745, 5, 8. *Nyland. Act. Soc. Sc. Fenn.* i. 259, 1.
Osmia hedera, *Smith, Zool.* ii. 747, 10, var. ♂ ?
Mouche maçonne, *Reaum.* vi. *Mem.* iii. 86.

2. OSMIA AURULENTA. B. M.

Apis aurulenta, *Panz. Faun. Germ.* 63, 22, ♀.
Apis tunensis, *Kirby, Mon. Ap. Angl.* ii. 269, 56, not the male.
Megachile tunensis, *Latr. Hist. Nat.* xiv. 58, 13, ♀.
Osmia aurulenta, *Latr. Enc. Méth.* 8. 584, 19, ♀. *Panz. Revis. Hym.* 232. *St. Farg. Hist. Nat. Ins.* ii. 323, 13, ♂, ♀. *Nyland. Adnot. Ap. Boreal. Sällsk. Faun. Flo. Fenn.* ii. *Supp.* 103, ♀.
Osmia tunensis, *Smith, Zool.* ii. 744, 6.

HAB.—Britain; banks, old posts, and occasionally in snail-shells.

3. OSMIA CORNUTA. B. M.

Megachile cornuta, *Latr. Hist. Nat.* xiv. 59, 14. *Spin. Ins. Lig.* i. 146, 13.
Apis bicornis, *Oliv. Enc. Méth.* iv. 169, 47, ♀.
Osmia cornuta, *Latr. Enc. Méth.* viii. 575, 1. *St Farg. Hist. Nat. Ins.* ii. 313, 1. *Smith, Zool.* vi. 2213.

HAB.—Locality not known.

4. OSMIA BICOLOR. B. M.

Apis bicolor, *Schrank, Ins. Aust.* 806, ♀. *Kirby, Mon. Ap. Angl.* ii. 277, 58, ♀.
Apis fusca, *Christ. Hym.* 182, t. 14, f. 10, ♀. *Panz. Faun. Germ.* 56, 11, ♀.
Anthophora fusca, *Fab. Syst. Piez.* 377, 20, ♀.
Osmia bicolor, *Latr. Enc. Méth.* viii. 58, 10, ♀. *St. Farg. Hist. Nat. Ins.* ii. 318, 7, ♂, ♀. *Smith, Zool.* ii. 746, 9, ♂, ♀. *Nyland. Adnot. Ap. Boreal. Sällsk. Faun. Flo. Fenn.* ii. *Supp.* 103.

HAB.—London district; Bristol; in banks, occasionally in snail-shells.

5. Osmia xanthomelana. B. M.

Apis xanthomelana, *Kirby, Mon. Ap. Angl.* ii. 246, 46, ♀.
Osmia atricapilla, *Curtis, Brit. Ent.* v. ♀. *Waterhouse, Zool.* ii. 403, ♂, ♀.
Osmia nigriventris, *Zett. Ins. Lapp.* 465, 4, ♀.
Osmia xanthomelana, *Smith, Zool.* ii. 745, 7. *Steph. Ill. Brit. Ent. Mand.* vii. 16, 2. *Supp.* t. 43, f. 2.

Hab.—Birch and Darenth Woods; in the ground, near Liverpool.

6. Osmia hirta. B. M.

Apis hirta, *Fourc. Ent. Par.* ii. 444, 6, ♀.
Apis Leaiana, *Kirby, Mon. Ap. Angl.* ii. 263, 54, ♀.
Osmia Leaiana, *Spin. Ins. Lig.* ii. 200, 1, ♀. *Nyland. Act. Soc. Sc. Fenn.* i. 262, 3, ♀.
Osmia fulviventris, *Latr. Enc. Méth.* viii. 578, 7. *St. Farg. Hist. Nat. Ins.* ii. 319, 9, ♂, ♀.
Osmia hirta, *Smith, Zool.* ii. 742, 3.

Hab.—Britain; Old posts, &c.

7. Osmia ænea. B. M.

Apis ænea, *Linn. Faun. Suec.* 1695, ♂. *Scop. Ent. Carn.* 809, ♂, f. 809.
Apis cœrulescens, *Linn. Faun. Suec.* 1696, ♀. *Kirby, Mon. Ap. Angl.* ii. 264, 55, ♂, ♀.
Andrena cœrulescens, *Fab. Syst. Ent.* 376, 2, ♀. *Rossi, Faun. Etrus.* ii. 86, 893, ♀. *Panz. Faun. Germ.* 65, 18.
Apicis superbus, *Harris, Expos.* 164, 10, t. 49, f. 10, ♀.
Anthophora ænea, *Fab. Syst. Piez.* 381, 40, ♀.
Osmia cœrulescens, *Latr. Enc. Méth.* viii. 581, 12, ♂, ♀. *St. Farg. Hist. Nat. Ins.* ii. 325, 16. *Smith, Zool.* ii. 743, 5. *Nyland. Act. Soc. Sc. Fenn.* i. 262, 4.
Abeille maçonne, &c., *De Geer, Mem.* ii. 751, t. 30, f. 23. ♀, *and* t. 32, f. 1, ♂.

Hab.—Britain; Old posts, &c.

8. Osmia purpurascens. B. M.

Osmia purpurascens, *Smith, Zool.* vii. *App.* lviii.

Hab.—New Forest.

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9. Osmia parietina. B. M.

Osmia parietina, *Curtis*, *Brit. Ent.* v. t. 222, ♀. *Smith*, *Zool.* ii. 743, 4, ♀.
Osmia fusciformis, *Latr. Enc. Méth.* viii. 579, 8? ♂, ♀.
Osmia inermis, *Zett. Ins. Lapp.* 466, 6, ♀.

Hab.—Ambleside; Bridgend, Glamorgan; and the Grampians, Scotland.

9*. Osmia parietina, ♂. *See Appendix.*

10. Osmia pilicornis. B. M.

Osmia pilicornis, *Smith*, *Zool.* iv. 1567, ♂, ♀.

Hab.—Birch Wood, and Bristol.

11. Osmia fusciformis.

Osmia fusciformis, *Latr. Enc. Méth.* viii. 579, 8.

12. Osmia spinulosa. B. M.

Apis spinulosa, *Kirby*, *Mon. Ap. Angl.* ii. 261, 53.
Osmia spinulosa, *Smith*, *Zool.* ii. 741, 2.

Hab.—Britain, Chalky districts.

13. Osmia leucomelana. B. M.

Apis leucomelana, *Kirby*, *Mon. Ap. Angl.* ii. 260, 52, ♀.
Osmia leucomelana, *Smith*, *Zool.* ii. 741, 1, ♀, ♀. *Nyland. Act. Soc. Sc. Fenn.* i. 263, 5, ♂, & ii. *Supp.* 105, ♀.

Hab.—Blackwater, Hants; Bristol; and Charlton, Kent.

12. ANTHOCOPA.

Apis, *Latr. Hist. Nat. Fourm.* 302, 1802.
Megachile, pt., *Latr. Hist. Nat.* xiv. 57, *Sec.* 7, 1805.
Osmia, *Latr. Enc. Méth.* viii. 585.
Anthocopa, *St. Farg. Hist. Nat. Ins.* ii. 349, 1841.

1. ANTHOCOPA PAPAVERIS. B. M.

Apis papaveris, *Latr. Hist. Nat. Fourm.* 302, t. 12, f. 1, ♂, ♀.
Anthophora argentata, *Fab. Syst. Piez.* 377, 22?
Megachile papaveris, *Latr. Hist. Nat.* xiv. 57, 12.
Osmia papaveris, *Latr. Enc. Méth.* viii. 585, 21.
Anthocopa papaveris, *St. Farg. Hist. Nat. Ins.* ii. 349, 1. *Smith, Zool.* vi. 2213.
Reaum. Ins. vi. 13, t. 13, f. 1.
Andrena tapissiére, *Oliv. Enc. Méth.* iv. 140.
Latr. Hist. Nat. Fourm. 297.

HAB.—Leicester.

13. STELIS.

Apis, pt., *Kirby, Mon. Ap. Angl.* i. 154, * * *c*, *l*, *β*, (*γ*), 1802.
Megilla, pt., *Fab. Syst. Piez.* 328, 1804.
Megachile, pt., *Latr. Hist. Nat.* xiv. 51, 1805.
Stelis, *St. Farg. et Serv. Enc. Méth.* x. 480, 1825.

1. STELIS ATERRIMA. B. M.

Apis aterrima, *Panz. Faun. Germ.* 56, 15.
Apis punctulatissima, *Kirby, Mon. Ap. Angl.* ii. 231, 39, t. 16, f. 9.
Megilla aterrima, *Fab. Syst. Piez.* 331, 15.
Megachile punctulatissima, *Latr. Hist. Nat.* xiv. 54, ♂.
Stelis aterrima, *St. Farg. Hist. Nat. Ins.* ii. 527, 1. *Smith, Zool.* iii. 1154, 1, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* i. 275, 2.

HAB.—Darenth and Birch Woods; Weybridge, &c.

2. STELIS PHÆOPTERA. B. M.

Apis phæoptera, *Kirby, Mon. Ap. Angl.* ii. 232, 40, ♀.
Megachile phæoptera, *Latr. Hist. Nat.* xiv. 54, 6, ♂, ♀.
Stelis phæoptera, *St. Farg. Hist. Nat. Ins.* ii. 527, 2. *Smith, Zool.* iii. 1154, 2. *Nyland. Act. Soc. Sc. Fenn.* i. 274, 1.

HAB.—Battersea Fields; Old posts.

3. STELIS MINUTA.

Stelis minuta, *St. Farg. Enc. Méth.* x. 481, 1, ♀. *Smith, Zool.* iii. 1155, 4.
Stelis breviuscula, *Nyland. Adnot. Ap. Boreal. Süllsk. Faun. Flo. Fenn.* ii. *Supp.* 106, ♀.

HAB.—Bristol.

4. STELIS OCTOMACULATA.

Stelis octomaculata, *Smith, Zool.* iii. 1155, 3, ♂, ♀.
Stelis ornatula, *Nyland. Adnot. Ap. Boreal. Süllsk. Faun. Flo. Fenn.* ii. *Supp.* 106, ♂, ♀.

HAB.—Blackwater, Hants.

14. AMMOBATES.

Ammobates, *Latr. Gen. Crust. Ins.* iv. 169, 1809.

1. AMMOBATES BICOLOR. B. M.

Ammobates bicolor, *St. Farg. Hist. Nat. Ins.* ii. 511, 2, ♀. *Smith, Zool.* vi. 2212, 1.

HAB.—Leicester.

15. EPEOLUS.

Apis, pt., *Linn. Syst. Nat.* i. 953, 1766.
Nomada, pt., *Fab. Ent. Syst.* ii. 345, 1793.
Epeolus, *Latr. Ins.* iii. 375, 1805.

1. EPEOLUS VARIEGATUS. B. M.

Apis variegata, *Linn. Syst. Nat.* i. 957, 24, ♂, *and Cab. Mus. Linn. Soc. Kirby, Mon. Ap. Angl.* ii. 222, 36, t. 16, f. 6, ♀. *Don. Brit. Ins.* xii. 10, t. 399, f. 2.
Nomada variegata, *Fab. Syst. Ent.* 389, 2.
Apis muscaria, *Christ. Hym.* 195, t. 17, f. 5, ♂.
Nomada crucigera, *Panz. Faun. Germ.* 61, 20, ♂.
Epeolus variegatus, *Fab. Syst. Piez.* 388, 1. *Latr. Hist. Nat.* xiv. 49, 2. *Jurine, Hym.* t. 14, *Supp. Curt. Brit. Ent.* ii. t. 516. *St. Farg. Hist. Nat. Ins.* ii. 462, 2, t. 17, f. 5, ♀, 6, ♂. *Smith, Zool.* iii. 1150, 1. *Nyland. Act. Soc. Sc. Fenn.* i. 174, 1.

HAB.—Erith, Darent and Charlton, Kent; Weybridge, Surrey; Isle of Wight and Hants (in the nests of Colletes).

16. NOMADA.

Apis, pt., *Linn. Syst. Nat.* i. 953, 1766.
Nomada, pt., *Fab. Ent. Syst.* ii. 345, 1793.

1. NOMADA RUFICORNIS. B. M.

Apis ruficornis, *Linn. Faun. Suec.* 1707, *and Cab. Mus. Linn. Soc.* ♀. *Kirby, Mon. Ap. Angl.* ii. 210, 27, ♀.
Nomada ruficornis, *Fab. Syst. Ent.* 389, 3. *Rossi, Faun. Etrus.* ii. 112, 933. *Panz. Faun. Germ.* 55, 18. *Latr. Hist. Nat.* xiv. 50, 1. *Schäff. Germ. Zeits.* i. 279, 9. *St. Farg. Hist. Nat. Ins.* ii. 498, 29. *Smith, Zool.* ii. 596, 9, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* i. 180, 10, ♀.
Nomada striata, *Fab. Ent. Syst.* ii. 348, 9.
Nomada flava, *Panz. Faun. Germ.* 53, 21, ♂. *Fab. Syst. Piez.* 391, 4. *Nyland. Act. Soc. Sc. Fenn.* i. 179, 8.
Apis flava, *Kirby, Mon. Ap. Angl.* ii. 186, 8, *and Cab. Mus. Ent. Soc.*
Apis leucopthalma, *Kirby, Mon. Ap. Angl.* ii. 197, 16, *and Cab. Mus. Ent. Soc.* ♂.
Nomada conjungens, *Schäff. Germ. Zeits.* i. 279, 8, ♂ var.

HAB.—Britain (in the nests of Andrenidæ).

2. NOMADA LATERALIS. B. M.

Nomada lateralis, *Panz. Faun. Germ.* 96. 20, ♂, and 21, ♀. *Schäff. Germ. Zeits.* i. 227, 5. *Smith, Zool.* ii. 601, 16, ♂, ♀.
Nomada melanostoma, *Schäff. Germ. Zeits.* i. 280, 11, var. ♂.

HAB.—Highgate (in the nests of Andrena longipes).

3. NOMADA BACCATA. B. M.

Nomada baccata, *Smith, Zool.* ii. 604, 20, ♂, ♀.

HAB. — Sandhurst, Berks; and Weybridge, Surrey; (in the nests of Andrena argentata).

4. NOMADA OCHROSTOMA. B. M.

Apis ochrostoma, *Kirby, Mon. Ap. Angl.* ii. 209, 26, ♂, *and Cab. Mus. Ent. Soc.*
Nomada ochrostoma, *Schäff. Germ. Zeits.* i. 280, 13, ♂. *Smith, Zool.* ii. 596, 9. *Nyland. Act. Soc. Sc. Fenn.* i. 179, 9.
Apis Hillana, *Kirby, Mon. Ap. Angl.* ii. 208, 25, ♂, var.?
Nomada vidua, *Smith, Zool.* ii. 602, 18, ♀.

HAB.—Britain.

5. NOMADA BOREALIS. B. M.

Nomada borealis, *Zett. Ins. Lapp.* 470, 1, ♀. *Nyland. Act. Soc. Sc. Fenn.* i. 181. 11.
Nomada inquilina, *Smith, Zool.* ii. 605, 21, ♂, ♀.

HAB.—Leominster; Hampstead Heath (in the nests of Andrena bicolor); Godstone, Surrey.

6. NOMADA SIGNATA. B. M.

Nomada signata, *Jurine, Hym.* t. 11, gen. 31. *Smith, Zool.* ii. 602, 17.
Nomada flava, *Schäff. Germ. Zeits.* i. 279, 9.

HAB.—Highgate; and Hampstead Heath, &c.

7. NOMADA LATHBURIANA. B. M.

Apis Lathburiana, *Kirby, Mon. Ap. Angl.* ii. 183, 6, ♂, *and Cab. Mus. Ent. Soc.*
Apis rufiventris, *Kirby, Mon. Ap. Angl.* ii. 187, 9, ♀, *and Cab. Mus. Ent. Soc.*
Nomada rufiventris, *Smith, Zool.* ii. 590, 2, ♂, ♀.

HAB.—Hampstead and Highgate.

8. NOMADA VARIA. B. M.

Nomada fucata, *Panz. Faun. Germ.* 55, 19, ♀. *Fab. Syst. Piez.* 390, 3, ♀. *Schäff. Germ. Zeits.* i. 284, 22. *Smith, Zool.* ii. 593, 5, ♂, ♀.
Apis varia, *Kirby, Mon. Ap. Angl.* ii. 185, 7, ♂.
Apis fucata, *Kirby, Mon. Ap. Angl.* ii. 195, 15, ♀.
Nomada varia, *Panz. Faun. Germ.* 55, 20, ♂. *St. Farg. Hist. Nat. Ins.* ii. 489, 22, ♂.

HAB.—Betsome; Darenth Wood.

9. NOMADA XANTHOSTICTA.

Apis xanthosticta, *Kirby, Mon. Ap. Angl.* ii. 212, 28, ♀.
Nomada xanthosticta, *Smith, Zool.* ii. 600, 15, *and* vi. 2214.

HAB.—Worsall Grange, Yarm, Yorkshire.

10. NOMADA ROBERJEOTIANA.

Nomada Roberjeotiana, *Panz. Faun. Germ.* 72, 19, ♀. *Fab. Syst. Piez.* 391, 6, ♀. *Schäff. Germ. Zeits.* i. 283, 19, ♀. *Smith, Zool.* ii. 603, 19, ♂, ♀. *Nyland. Ac. Soc. Sc. Fenn.* i. 178, 7, ♂.
Nomada neglecta, *Schäff. Germ. Zeits.* i. 283, 20, ♂.

HAB.—Blackwater, Hants.

11. NOMADA FLAVOGUTTATA. B. M.

Apis flavoguttata, *Kirby, Mon. Ap. Angl.* ii. 215, 31, ♂, *and Cab. Mus. Ent. Soc.*
Nomada flavoguttata, *Smith, Zool.* ii. 598, 12, ♂, ♀.

HAB.—London district.

12. NOMADA FABRICIANA. B. M.

Apis Fabriciana, *Linn. Syst. Nat.* i. 2749, 17, ♀. *Rossi, Faun. Etrus. Mant.* 324.
Nomada Fabriciana, *Fab. Ent. Syst.* ii. 348, 10. *Spin. Ins. Lig.* i. 154, 4. *Schäff. Germ. Zeits.* i. 277, 6. *Smith, Zool.* ii. 598, 11. *Nyland. Act. Soc. Sc. Fenn.* i. 183, 14.
Apis Fabriciella, *Kirby, Mon. Ap. Angl.* ii. 213, 29, *and* t. 16, f. 3.
Apis 4-notata, *Kirby, Mon. Ap. Angl.* ii. 214, 30.
Nomada quadrinotata, *St. Farg. Hist. Nat. Ins.* ii. 494, 26.

HAB.—Britain.

13. NOMADA ARMATA. B. M.

Nomada armata, *Schäff. Germ. Zeits.* i. 279, 10. *Smith, Zool.* vii. *App.* 41.

HAB.—Bantham; and Buckland Wood, Devon.

14. NOMADA GERMANICA. B. M.

Nomada Germanica, *Panz. Faun. Germ.* 72, 17, ♀. *Fab. Syst. Piez.* 394, 18. *St. Farg. Hist. Nat. Ins.* ii. 477, 13.
Apis ferruginata, *Kirby, Mon. Ap. Angl.* ii. 218, 34, *and* t. 16, f. 4, ♂, not of *Linn.*
Nomada stigma, *Fab. Syst. Piez.* 393, 11.
Nomada ferruginata, *Schäff. Germ. Zeits.* i. 275, 1. *Smith, Zool.* ii. 600, 14. *Nyland. Act. Soc. Sc. Fenn.* i. 183, 13.
Nomada pleurosticta, *Schäff. Germ. Zeits.* i. 276, 2.

HAB.—Britain.

15. NOMADA RUBRA. B. M.

Nomada rubra, *Smith, Zool.* vii. *App.* 41.

HAB.—Kingsbridge, Devon.

16. NOMADA FURVA. B. M.

Nomada furva, *Panz. Faun. Germ.* 55, 25, ♂. *St. Farg. Hist. Nat. Ins.* 495, 27, ♂. ♀. *Smith, Zool.* ii. 599, 13, ♂, ♀.
Apis rufo-cincta, *Kirby, Mon. Ap. Angl.* ii. 216, 32, ♀, *and Cab. Mus. Ent. Soc.*
Apis Sheppardana, *Kirby, Mon. Ap. Angl.* ii. 217, 33, ♀, *and Cab. Mus. Ent. Soc.*
Nomada minuta, *Fab. Syst. Piez.* 394, 19, ♀. *Schäff. Germ. Zeits.* i. 278, 7. *Nyland. Act. Soc. Sc. Fenn.* i. 184, 15.
Nomada Dalii, *Curt. Brit. Ent.* ix. t. 419, ♂.
Not Apis flavoguttata, *Kirby.*

HAB.—Britain.

17. NOMADA ATRATA.

Nomada atrata, *Fab. Syst. Piez.* 393, 14? *Smith, Zool.* iv. 1568.

HAB.—Arundel, Sussex.

18. NOMADA SOLIDAGINIS. B. M.

Nomada solidaginis, *Panz. Faun. Germ.* 72, 21, ♂. *Schäff. Germ. Zeits.* i. 284, 23, ♂, ♀. *St. Farg. Hist. Nat. Ins.* ii. 472, 8. *Smith, Zool.* ii. 595, 8. *Nyland. Act. Soc. Sc. Fenn.* i. 176, 3, ♀.

Apis Solidaginis, *Kirby, Mon. Ap. Angl.* ii. 204, 22, *and Cab. Mus. Ent. Soc.*
Apis picta, *Kirby, Mon. Ap. Angl.* ii. 206, 23, var. ♀, *and Cab. Mus. Enc. Soc.*
Apis rufo-picta, *Kirby, Mon. Ap. Angl.* ii. 207, 24, var. ♀, *and Cab. Mus. Ent. Soc.*

Hab.—Britain.

19. Nomada mistura.

Nomada mistura, *Smith, Zool.* ix. *App.* 127.

Hab.—Weybridge.

20. Nomada lineola. B. M.

Nomada lineola, *Panz. Faun. Germ.* 55, 23, ♀ var. *St. Farg. Hist. Nat. Ins.* ii. 486, 20.
Apis cornigera, *Kirby, Mon. Ap. Angl.* ii. 190, 11, ♀, *and Cab. Mus. Ent. Soc.*
Apis subcornuta, *Kirby, Mon. Ap. Angl.* ii. 192, 12, var. ♀, *and Cab. Mus. Ent. Soc.*
Apis Capræ, *Kirby, Mon. Ap. Angl.* ii. 193, 13, var. ♀, *and Cab. Mus. Ent. Soc.*
Apis lineola, *Kirby, Mon. Ap. Angl.* ii. 194, 14, var. ♀, *and Cab. Mus. Ent. Soc.*
Apis sexcincta, *Kirby, Mon. Ap. Angl.* ii. 198, 17, ♂, *and Cab. Mus. Ent. Soc.*
Nomada cornigera, *St. Farg. Hist. Nat. Ins.* ii. 481, 16. *Smith, Zool.* ii. 591, 4, ♂, ♀.

Hab.—Hampstead Heath, &c.

21. Nomada Jacobææ. B. M.

Nomada Jacobææ, *Panz. Faun. Germ.* 72, 20, ♂. *Latr. Hist. Nat.* xiv. 50, 2. *Schäff. Germ. Zeits.* i. 286, 21. *St. Farg. Hist. Nat. Ins.* ii. 479, 15. *Smith, Zool.* ii. 594, 7, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* i. 175, 2.
Apis Jacobææ, *Kirby, Mon. Ap. Angl.* ii. 201, 20, ♂.
Apis flavopicta, *Kirby, Mon. Ap. Angl.* ii. 202, 21, ♀, *and Cab. Mus. Ent. Soc.*

Hab.—Charlton, Kent; Surrey; Hants; Isle of Wight, &c.

22. NOMADA SEXFASCIATA. B. M.

Nomada sexfasciata, *Panz. Faun. Germ.* 68. 18, ♂. *Schäff. Germ. Zeits.* i. 285, 24. *St. Farg. Hist. Nat. Ins.* ii. 471, 7, ♂. *Smith, Zool.* ii. 593, 6, ♂, ♀.
Apis Schæfferella, *Kirby, Mon. Ap. Angl.* ii. 199, 18, ♀.
Apis connexa, *Kirby, Mon. Ap. Angl.* ii. 199, 18.

HAB.—Highgate; Darenth Wood, and Folkstone, Kent; (in the nests of Eucera longicornis).

23. NOMADA ALTERNATA. B. M.

Apis Marshamella, *Kirby, Mon. Ap. Angl.* ii. 188, 10, ♀, *and Cab. Mus. Ent. Soc.*
Apis alternata, *Kirby, Mon. Ap. Angl.* ii. 182, 5, ♂, *and Cab. Mus. Ent. Soc.*
Nomada Marshamella, *Schäff. Germ. Zeits.* ii. 285, 25. *Smith, Zool.* ii. 590, 3. *Nyland. Act. Soc Sc. Fenn.* i. 176, 3.

HAB.—Britain (in the nests of Andrena Trimmerana, &c.)

24. NOMADA SUCCINCTA. B. M.

Apis Goodeniana, *Kirby, Mon. Ap. Angl.* ii. 180, 4, ♂, ♀, *and Cab. Mus. Ent. Soc.*
Nomada Goodeniana, *Smith, Zool.* ii. 590, 1, ♂, ♀.
Nomada succincta, *Panz. Faun. Germ.* 55, 21. *Schäff. Germ. Zeits.* i. 287, 30. *St. Farg. Hist. Nat. Ins.* ii. 469, 6. *Nyland. Act. Soc. Sc. Fenn.* i. 175, 1.

HAB.—Britain.

17. CŒLIOXYS.

Apis, pt., *Linn. Syst. Nat.* i. 953, 1766.
Anthophora, pt., *Fab. Syst. Piez.* 372, 1804.
Megachile, pt., *Latr. Hist. Nat.* 53, *Sec.* 3, 1805.
Cœlioxys, *Latr. Gen. Crust. Ins.* iv. 166, 1809.

1. Cœlioxys quadridentata. B. M.

Apis quadridentata, *Linn. Faun. Suec.* 1703, *and Cab. Mus. Linn. Soc.* ♂. *Fab. Syst. Ent.* 386, 49. *Schäff. Icon.* t. 32, f. 8. *Panz. Faun. Germ.* 55, 13.
Apis conica, *Linn. Faun. Suec.* 1705, *and Cab. Mus. Linn. Soc.* ♀. *Fab. Syst. Ent.* 387, 53, *and Cab. Banks. Mus. Linn. Soc.* not var. *Schrank, Ins. Aust.* 401, 809. *Rossi, Faun. Etrus.* 109, 928. *Christ. Hym.* 200, t. 17, f. 11. *Kirby, Mon. Ap. Angl.* ii. 224, 37, t. 16, f. 7, var. ♂, ♀.
Apicis agilis, *Harris*, 163, 8, t. 49, f. 8, ♀.
Apis bidentata, *Panz. Faun. Germ.* 59, 7, ♀.
Apis inermis, *Kirby, Mon. Ap. Angl.* ii. 229, 38, ♂, *Exclus. Synon.*
Anthophora conica, *Fab. Syst. Piez.* 380, 33, ♀.
Megachile conica, *Latr. Hist. Nat.* 53, 4, ♂, ♀.
Cœlioxys conica, *Lat. Gen. Crust. Ins.* 167, ♂, ♀. *Zett. Ins. Lapp.* 468, 1. *St. Farg. Hist. Nat. Ins.* ii. 517, 1.
Cœlioxys quadridentata, *Smith, Zool.* iii. 1151, 1, ♂, ♀.

Hab.—Britain (in the nests of Megachile circumcincta and of Saropoda bimaculata).

2. Cœlioxys rufescens. B. M.

Cœlioxys rufescens, *St. Farg. & Serv. Enc. Méth.* x. 109. *St. Farg. Hist. Nat. Ins.* ii. 519, 2. *Smith, Zool.* iii. 1152, 3.
Cœlioxys apiculata, *Nyland. Act. Soc. Sc. Fenn.* i. 282, *Obs.*

Hab.—London district; Bristol.

3. Cœlioxys umbrina.

Cœlioxys umbrina, *Smith, Zool.* iii. 1153, 4.
Cœlioxys acuta, *Nyland. Act. Soc. Sc. Fenn.* 250, 1.

Hab.—Coombe Wood.

4. Cœlioxys vectis. B. M.

Cœlioxys vectis, *Curtis, Brit. Ent.* viii. t. 349. *Smith, Zool.* iii. 1152, 2.
Cœlioxys punctata, *St. Farg. Hist. Nat. Ins.* ii. 520, 3?
Cœlioxys temporalis, *Nyland. Act. Soc. Sc. Fenn.* 253, 4.

Hab.—Isle of Wight; Little Hampton, Sussex.

18. MELECTA.

Apis, pt., *Fab. Syst. Ent.* 378, 1775.
Centris, pt., *Fab. Syst. Piez.* 354, 1804.
Melecta, *Latr. Hist. Nat.* xiv. 48, 1805.
Crocisa, pt., *Jurine, Hym.* 239, 1807.

1. MELECTA PUNCTATA. B. M.

Apis punctata, *Fab. Syst. Ent.* 385, 43. *Schäff. Icon. Ins.* t. 22, f. 14. *Panz. Faun. Germ.* 35, 23. *Kirby, Mon. Ap. Angl.* ii. 219, 35. *Don. Brit. Ins.* xii. 47, 376.
Apicis dubito, *Harris, Expos.* 137, 11, t. 40, f. 11.
Melecta punctata, *Latr. Hist. Nat. Ins.* xiv. 48. *Fab. Syst. Piez.* 387, 7. *Spin. Ins. Lig.* 153, 3. *St. Farg. Hist. Nat. Ins.* ii. 441, 1. *Smith, Zool.* iii. 1148, 1.
Andrena armata, *Panz. Faun. Germ.* 70, 22, ♂ ?
Centris punctata, *Fab. Syst. Piez.* 360, 30.
Crocisa atra, *Jurine, Hym.* t. 12, gen. 34, var. ♀ ?
Melecta Clotho, *Newm. Ent. Mag.* ii. 513, 4, ♀.
Melecta Megæra, *Newm. Ent. Mag.* ii. 513, 2, var. ♀.
Melecta Tisiphone, *Newm. Ent. Mag.* ii. 513, 1, var. ♀.
Melecta Alecto, *Newm. Ent. Mag.* ii. 513, 3, ♂.
Melecta nigra, *St. Farg. Hist. Nat. Ins.* ii. 446, 6, var. ♀.

HAB.—Britain (in the nests of Anthophora retusa).

2. MELECTA LUCTUOSA. B. M.

Apis luctuosa, *Scop. Ann. Hist. Nat.* iv. 9. *Schrank, Ins. Aust.* 404, 816. *Rossi, Faun. Etrus.* ii. 105, 918. *Gmel. Syst. Nat.* v. 2785, 127.
Melecta notata, *Illig. Mag.* ?
Melecta Atropos, *Newm. Ent. Mag.* ii. 514, 6, ♂. *Smith, Zool.* iii. 1149, 2, ♂, ♀.
Melecta Lachesis, *Newm. Ent. Mag.* ii. 514, 5 ♀.

HAB.—Hampstead Heath; Blackheath; Coombe Wood and Shirley, Surrey (in the nests of Anthophora Haworthana).

19. ANTHIDIUM.

Apis, pt., *Linn. Syst. Nat.* 953, 1766.
Megachile, *Latr. Hist. Nat.* xiv. 51, 1805.
Trachusa, *Jurine*, 252, 1809.

1. ANTHIDIUM MANICATUM. B. M.

Apis manicata, *Linn. Faun. Suec.* 1701, *and Cab. Mus. Linn. Soc. Schäff. Icon. Ins.* t. 32, f. 11—12. *Fab. Syst. Ent.* 384, 35. *Fourc. Ent. Par.* ii. 443, 3. *Rossi, Faun. Etrus.* ii. 914. *Christ. Hym.* 133, t. 9, f. 5. *Panz. Faun. Germ.* 55, 10, ♂, 11, ♀. *Kirby, Mon. Ap. Angl.* ii. 248, 47, t. 16, 12, ♀, 13, ♂. *Don. Brit. Ins.* xiv. 57, t. 489.
Apicis dentala, *Harris, Expos.* 161, t. 49, f. 1, ♂.
Apicis pervigil, *Harris, Expos.* 162, t. 49, f. 2, ♀.
Anthidium manicatum, *Fab. Syst. Piez.* 364, 1. *Curt. Brit. Ent.* ii. t. 61. *St. Farg. Hist. Nat. Ins.* ii. 355, 4. *Smith, Zool.* iv. 1452, 1. *Nyland. Act. Soc. Sc. Fenn.* i. 265, 22.
Megachile manicata, *Latr. Ins.* iii. 383, t. 104, f. 1, ♂, 3, ♀. *Spin. Ins. Lig.* i. 138, 7.
Trachusa manicatum, *Jurine*, 253.
Geoff. Ins. Par. ii. 408, 3.

HAB.—Britain.

20. HERIADES.

Apis, pt., *Linn. Faun. Suec.* 419, 1761.
Hylæus, pt., *Fab. Ent. Syst.* ii. 302, 1793.
Anthophora, pt., *Fab. Syst. Piez.* 372, 1804.
Megachile, pt., *Latr. Hist. Nat.* xiv. 52, *Sec.* 2, 1805.
Heriades, pt., *Spin. Ins. Lig.* ii. 198, 1808.

1. HERIADES TRUNCORUM. B. M.

Apis truncorum, *Linn. Faun. Suec.* 1692, *and Cab. Mus. Linn. Soc. Kirby, Mon. Ap. Angl.* ii 258, 51.
Hylæus truncorum, *Fab. Ent. Syst.* ii. 305, 9. *Panz. Faun. Germ.* 64, 15.
Anthophora truncorum, *Fab. Syst. Piez.* 379, 29.
Megachile truncorum, *Latr. Hist. Nat.* xiv. 52, 3.
Heriades truncorum, *Curt. Brit. Ent.* xi. t. 504. *St. Farg. Hist. Nat. Ins.* ii. 405, 2. *Zett. Ins. Lapp.* 467, 1. *Smith, Zool.* iv. 1447, 1. *Nyland. Act. Soc. Sc. Fenn.* i. 271, 4.

HAB.—Hammersmith? and Hainault Forest; Kingsbridge, Devon.

2. HERIADES CAMPANULARUM. B. M.

Apis Campanularum, *Kirby, Mon. Ap. Angl.* ii. 256, 50, t. 16, f. 14, ♀, 15, ♂.
Megachile Campanularum, *Lat. Hist. Nat.* xiv. 52, 2.
Heriades Campanularum, *Spin. Ins. Lig.* ii. 198, 1. *St. Farg. Hist. Nat. Ins.* ii. 405, 2. *Smith, Zool.* iv. 1448, 2. *Nyland. Act. Soc. Sc. Fenn.* i. 273, 6.
Apis florisomnis minima, *Christ. Hym.* 197, t. 17, f. 8.

HAB.—Britain.

21. CHELOSTOMA.

Apis, pt., *Linn. Faun. Suec.* 419, 1761.
Hylæus, pt., *Fab. Ent. Syst.* ii. 302, 1793.
Anthophora, pt., *Fab. Syst. Piez.* 372, 1804.
Megachile, pt., *Latr. Hist. Nat.* xiv. 51, 1805.
Chelostoma, *Latr. Gen. Crust. Ins.* iv. 161, 1809.
Heriades, pt., *Zett. Ins. Lapp.* 467, 1840.

1. CHELOSTOMA FLORISOMNIS. B. M.

Apis florisomnis, *Linn. Faun. Suec.* 1704, ♂, *and Cab. Mus. Linn. Soc. Scop. Ent. Carn.* 299, 796, f. 796. Fab. Syst. Ent. 387, 55. *Kirby, Mon. Ap. Angl.* ii. 253, 49.
Apis maxillosa, *Linn. Syst. Nat.* i. 954, 11, ♀, and Cab. Mus. *Linn. Soc. Fab. Mant.* i. 305, 86. *Kirby, Mon. Ap. Angl.* ii. 251, 48.
Apicis tumidus, *Harris, Expos.* 164, t. 50, f. 12, ♂.
Hylæus florisomnis, *Fab. Ent. Syst.* ii. 304, 5. *Panz. Faun. Germ.* 46, 13.
Hylæus maxillosus, *Fab. Ent. Syst.* ii. 303, 4. *Panz. Faun. Germ.* 53, 17.
Anthophora truncorum, *Fab. Syst. Piez.* 379, 29, var. β.
Megachile maxillosa, *Latr. Hist. Nat.* xiv. 51, 1, ♂ & ♀.
Megachile florisomnis, *Spin. Ins. Lig.* i. 134, 1.
Chelostoma maxillosa, *Latr. Gen. Crust. Ins.* iv. 162. *St. Farg. Hist. Nat. Ins.* ii. 407, 1.
Chelostoma florisomnis, *Curt. Brit. Ent.* xiv. t. 628. *Smith, Zool.* iv. 1445, 1.
Heriades maxillosa, *Zett. Ins. Lapp.* 467, 2. *Nyland. Act. Soc. Sc. Fenn.* i. 268, 1.

HAB.—Britain.

22. CERATINA.

Hylæus, pt., *Fab. Ent. Syst.* ii. 302, 1793.
Apis, pt., *Fab. Ent. Syst. Supp.* 273, 1796.
Megilla, pt., *Fab. Syst. Piez.* 328, 1804.
Prosopis, pt., *Fab. Syst. Piez.* 293, 1804.
Ceratina, *Latr. Hist. Nat.* xiv. 50, 1805.

1. Ceratina cærulea. B. M.

Apis cærulea, *Vill. Ent. Europ.* iii. 88, t. 8, f. 25, ♂.
Apis curburtina, *Rossi, Mant.* i. 145, 325.
Apis calloso, *Fab. Ent. Syst. Supp.* 277, 122—3.
Apis cyanea, *Kirby, Mon. Ap. Angl.* ii. 308, 71, t. 17, f. 7, ♀, 8, ♂.
Ceratina albilabris, *Latr. Hist. Nat.* xiv. 50. *Spin. Ins. Lig.* i. 151, 1, ♀.
Megilla callosa, *Fab. Syst. Piez.* 328, 31.
Ceratina nitidula, *Spin. Ins. Lig.* 151, 2, ♂, *and* vol. ii. *App.* 80.
Ceratina cyanea, *St. Farg. Hist. Nat. Ins.* ii. 505, 1.
Ceratina cærulea, *Smith, Zool.* iv. 1448, 1.

Hab.—Charlton and Birch Wood, Kent; Bristol (Bramble sticks).

2. Ceratina albilabris. B. M.

Hylæus albilabris, *Fab. Ent. Syst.* ii. 305, 10.
Prosopis albilabris, *Fab. Syst. Piez.* 293, 2.
Ceratina albilabris, *Jurine, Hym.* 234. *St. Farg. Hist. Nat. Ins.* ii. 506, 2, *Exclus. Synon. Smith, Zool. App.* vii. 57.

Hab.—Devonshire.

23. EUCERA.

Apis, pt., *Linn. Faun. Suec.* 419, 1761.
Eucera, *Scop. Ann. Hist. Nat.* iv. 8, 1769.
Andrena, pt., *Panz. Faun. Germ.* 78, 1804.

1. Eucera longicornis.

Apis longicornis, *Linn. Faun. Suec.* 1684, *and Cab. Mus. Linn. Soc.* ♂. *Scop. Ent. Carn.* 794, f. 794. *Fab. Syst. Ent.* 388, 58. *Schäff. Icon.* t. 44, f. 3. *Fourc. Ent. Par.* ii. 445, 10.

Rossi, Faun. Etrus. ii. 922. *Christ. Hym.* 142, t. 11, f. 9. *Kirby, Mon. Ap. Angl.* ii. 278, 59, ♂, ♀.

Eucera longicornis, *Scop. Ann. Hist. Nat.* iv. 8, 1. ♂. *Fab. Ent. Syst.* ii. 343, 1, ♂. *Latr. Hist. Nat.* xiv. 43, 1, ♂, ♀. *Zett. Ins. Lapp.* 469, 1, ♂, ♀. *St. Farg. Hist. Nat. Ins.* ii. 118, 3, ♂, ♀. *Smith, Zool.* iv. 1449, 1, ♂, ♀. *Nyland. Act. Soc. Sc. Fenn.* i. 249, 1.

Apicis longicornis, *Harris, Expos.* 163, t. 49, f. 5, ♂.

Apicis tumulorum, *Sulz. Hym.* 198, t. 27, f. 14, ♂. *Christ. Hym.* 198, t. 17, f. 9, ? ♂. *Don. Brit. Ins.* v. 19, t. 151, 2, ♂.

Apis tuberculata, *Fab. Ent. Syst.* ii. 334, 84? ♀. *Panz. Faun. Germ.* 78, 19, ♀.

Eucera linguaria, *Fab. Ent. Syst.* ii. 344, 5, ♂? *Kirby, Mon. Ap. Angl.* ii. 282, 60, *and Cab. Mus. Ent. Soc.* ♂. *Panz. Faun. Germ.* 64, 22, not 64, t. 21, ♂.

Andrena strigosa, *Panz. Faun. Germ.* 64, 16, ♀.

Ray, Hist. Ins. 243, ♂.

Swamm. Bibl. Nat. t. 26, f. 6, ♂.

Geoff. Ins. Par. ii. 413, 10.

24. SAROPODA.

Apis, *Panz. Faun. Germ.* 56, 1800.

Saropoda, *Latr. Gen. Crust. Ins.* 177, 1809.

Anthophora, *St. Farg. Hist. Nat. Ins.* ii. 23, 1841.

1. Saropoda bimaculata. B. M.

Apis bimaculata, *Panz. Faun. Germ.* 55, 17, ♀. *Kirby, Mon. Ap. Angl.* ii. 286, 63, ♀.

Apis rotundata, *Panz. Faun. Germ.* 56, 9, ♂. *Kirby, Mon. Ap. Angl.* ii. 291, 66, ♂, ♀.

Anthophora bimaculata, *Spin. Ins. Lig.* i. 127, 6. *St. Farg. Hist. Nat. Ins.* ii. 36, 11.

Saropoda bimaculata, *Curt. Brit. Ent.* viii. t. 361. *Smith, Zool.* iii. 891, 1.

Hab.—Weybridge, Surrey; Hawley, Hants; Shanklin, Isle of Wight.

2. Saropoda vulpina. B. M.

Apis vulpina, *Panz. Faun. Germ.* 56, 6, ♂. *Kirby, Mon. Ap. Angl.* ii. 290, 65, ♂.

Apis subglobosa, *Kirby, Mon. Ap. Angl.* ii. 295, 68, ♀.
Anthophora vulpina, *Spin. Ins. Lig.* i. 126, 6.
Saropoda vulpina, *Smith, Zool.* iii. 892, 2, ♂, ♀.

Hab.—Battersea; Kentish Town; and Charlton, Kent.

3. Saropoda furcata. B. M.

Apis furcata, *Panz. Faun. Germ.* 56, 8, ♂. *Kirby, Mon. Ap. Angl.* ii. 288, 64, ♂, ♀, *and* t. 17, f. 5, 6.
Anthophora furcata, *St. Farg. Hist. Nat. Ins.* ii. 82, 49.
Megilla furcata, *Nyland. Act. Soc. Sc. Fenn.* i. 245, 4.
Saropoda furcata, *Smith, Zool.* iii. 893, 3.

Hab.—Battersea; Kentish Town Fields; Charlton; Blackwater, Hants, &c.

25. ANTHOPHORA.

Apis, pt., *Linn. Syst. Nat.* 953, 1766.
Megilla, pt., *Fab. Syst. Piez.* 328, 1804.
Lasius, pt., *Jurine, Hym.* 1807.
Anthophora, *Latr. Gen. Crust. Ins.* iv. 174, 1809.

1. Anthophora retusa. B. M.

Apis retusa, *Linn. Faun. Suec. and Cab. Mus. Linn. Soc.* ♀. *Kirby, Mon. Ap. Angl.* ii. 296, 69, ♂, ♀.
Apis acervorum, *Fab. Syst. Ent.* 382, 21 (not *Linn.*) ♀. *Rossi, Faun. Etrus.* ii. 101, 907, ♀. *Don. Brit. Ins.* iii. 98, t. 108, 2, ♀? *Panz. Faun. Germ.* 78, 18, ♀.
Apis plumipes, *Pallas, Spicil. Zool.* ix. 24, t. 1. f. 14, ♂. *Schrank, Ins. Aust.* 399, 804.
Apis pilipes, *Fab. Syst. Ent.* 383, 28, ♂. *Rossi, Faun. Etrus.* ii. 102, 910. *Panz. Faun. Germ.* 55, 8.
Apicis audax, *Harris, Expos.* 137, t. 40, f. 14, ♂.
Apis rufipes, *Christ. Hym.* 132, t. 9, f. 1.
Apis cochlearipes, *Christ. Hym.* 137, t. 10, f. 3, ♂.
Apis palmipes, *Rossi, Faun. Etrus. Mant.* i. 141, 313, & 2 t. 5, f. E.
Apis Hispanica, *Panz. Faun. Germ.* 55, 6 (not *Fab.*)
Megilla acervorum, *Fab. Syst. Piez.* 328, 2, ♀.

Anthophora acervorum, *Latr. Hist. Nat. Ins.* xiv. 45, 1, ♀.
Anthophora hirsuta, *Latr. Hist. Nat. Ins.* xiv. 47, 3, ♂. *Spin. Ins. Lig.* i. 126, 3.
Lasius pilipes, *Jurine*, t. 11, gen. 33.
Anthophora retusa, *St. Farg. Hist. Nat. Ins.* ii. 69, 38. *Smith, Zool.* iii. 894, 1.
Megilla retusa, *Nyland. Act. Soc. Sc. Fenn.* 243, 1.
Ray, Hist. Ins. 247, 4, & 243.

HAB.—Britain.

2. ANTHOPHORA HAWORTHANA. B. M.

Apis Haworthana, *Kirby, Mon. Ap. Angl.* ii. 307, 70, ♂.
Anthophora Haworthana, *Smith, Zool.* iii. 895, 2, ♂, ♀.

HAB.—Hampstead Heath, and Blackheath; Shirley Common; Hawley, Hants; Sandown, Isle of Wight; Bristol, &c.

26. APATHUS.

Apis, pt., *Fab. Ent. Syst.* ii. 314, 1793.
Bombus, pt., *Fab. Syst. Piez.* 342, 1804.
Bremus, pt., *Jurine, Hym.* 257, 1807.
Psithyrus, *St. Farg. Ann. Soc. Ent. Fr.* i. 1832.
Apathus, *Newm. Ent. Mag.* ii. 1834.

1. APATHUS RUPESTRIS. B. M.

Apis rupestris, *Fab. Ent. Syst.* ii. 320, 26, ♀. *Kirby, Mon. Ap. Angl.* ii. 369, 108, ♀.
Apis Albinella, *Kirby, Mon. Ap. Angl.* ii. 361, 104, ♂, *and Cab. Mus. Ent. Soc.*
Apis frutetorum, *Panz. Faun. Germ.* 75, 20, ♂. *Fab. Syst. Piez.* 350, 38.
Bremus pomorum, *Panz. Faun. Germ.* 75, 18, ♂.
Apis subinterrupta, *Kirby, Mon. Ap. Angl.* ii. 356, 99, ♂, *and Cab. Mus. Ent. Soc.*
Bombus rupestris, *Fab. Syst. Piez.* 348, 26. *Latr. Hist. Nat.* xiv. 64, 3. *Dahlb. Bomb. Scand.* 51, 33.

Psithyrus rupestris, *St. Farg. Hist. Nat. Ins.* ii. 426, 1. *Curtis, Brit. Ent.* x. t. 468. *Nyland. Act. Soc. Sc. Fenn.* 241, 1.
Psithyrus frutetorum, *St. Farg. Hist. Nat. Ins.* ii. 436, 5, ♂ var.?
Apathus rupestris, *Smith, Zool.* ii. 543, 1.

Hab.—Britain (in the nests of Bombus lapidarius).

2. Apathus nemorum. B. M.

Apis nemorum, *Fab. Ent. Syst.* ii. 317, 11, *and Cab. Banks. Mus. Linn. Soc.* ♀.
Apis veterana, *Fab. Ent. Syst.* ii. 324, 45, ♂?
Bremus æstivalis, *Panz. Faun. Germ.* 89, 16, ♀.
Apis vestalis, *Fourc. Ent. Par.* ii. 450, 27, ♀. *Kirby, Mon. Ap. Angl.* ii. 347, 95, t. 18, f. 3, ♀, not f. 4, ♂.
Bombus nemorum, *Fab. Syst. Piez.* 345, 8, ♀.
Bombus vestalis, *Latr. Hist. Nat.* xiv. 65, 9, ♀. *Dahlb. Bomb. Scand.* 51, 34.
Psithyrus vestalis, *St. Farg. Hist. Nat. Ins.* ii. 430, 3, ♀. *Nyland. Act. Soc. Sc. Fenn.* 241, 3.
Apathus nemorum, *Smith, Zool.* ii. 544, 4, ♂, ♀.

Hab.—London district, &c. (in the nests of Bombus terrestris).

3. Apathus campestris. B. M.

Apis sylvarum, *Schrank, Ins. Aust.* 807, ♂? not of *Linn.* or *Rossi.*
Apis campestris, *Panz. Faun. Germ.* 74, 11, ♀. *Kirby, Mon. Ap. Angl.* ii. 335, 88, ♀, *and* t. 18, f. 2, ♀.
Apis Rossiella, *Kirby, Mon. Ap. Angl.* ii. 331, 85, ♂, *and* t. 18, f. 1.
Apis Francisana, *Kirby, Mon. Ap. Angl.* ii. 334, 87, ♂ var.
Apis Leeana, *Kirby, Mon. Ap. Angl.* ii. 333, 86, ♂ var.
Apis subterranea, *Kirby, Mon. Ap. Angl.* ii. 371, 109, ♂ var.
Bombus campestris, *Fab. Syst. Piez.* 344, 7, ♀. *Dahlb. Bomb. Scand.* 51, 34, ♀.
Bombus Rossiellus, *Dahlb. Bomb. Scand.* 40, 15, ♂.
Psithyrus campestris, *St. Farg. Hist. Nat. Ins.* ii. 433, 4, ♀. *Nyland. Act. Soc. Sc. Fenn.* 242, 4, ♀.
Apathus campestris, *Smith, Zool.* ii. 543, 2, ♂, ♀.
Psithyrus Francisanus, *Nyland. Act. Soc. Sc. Fenn.* 241, 2, ♂.
Psithyrus Rossiellus, *Nyland. Act. Soc. Sc. Fenn.* 242, 5, ♂.

Hab.—Britain.

4. APATHUS BARBUTELLUS. B. M.

Apis Barbutella, *Kirby, Mon. Ap. Angl.* ii. 343, 93, *Exclus. Syn. and* t. 18, f. 4, ♂.
Apathus Barbutellus, *Smith, Zool.* ii. 543, 3.

HAB.—Britain (in nests of Bombus pratorum).

27. BOMBUS.

Apis, pt., *Linn. Syst. Nat.* 953, 1766.
Bombus, *Lat. Hist. Nat. Ins.* xiv. 63, 1802.
Bremus, *Jurine, Hym.* 1807.

1. BOMBUS MUSCORUM. The Carder Bee. B. M.

Apis muscorum, *Linn. Faun. Suec.* 1714, *and Cab. Mus. Linn. Soc.* (No. 32), *Ed.* 10. *Syst. Nat. Fourc. Ent. Par.* ii. 451, 29.
Apis collium, *Scop. Ent. Carn.* 823.
Apis fasciata, *Scop. Ann. Hist. Nat.* iv. 12, 7.
Apicis vulgo, *Harris, Expos.* 137, 13, t. 40, f. 13, ♀.
Apicis melinus, *Harris, Expos.* 138, 17, t. 40, f. 17, ♂.
Apis agrorum, *Fab. Ent. Syst.* ii. 321, 29, ♀, (var.)? *Kirby, Mon. Ap. Angl.* ii. 326, 81, ♀ (var.)
Apis floralis, *Kirby, Mon. Ap. Angl.* ii. 321, 76, ♀, *and Cab. Mus. Ent. Soc. and* t. 17, f. 14, ♂.
Apis Beckwithella, *Kirby, Mon. Ap. Angl.* ii. 323, 78, ♀, var. β, ♂, *and Cab. Mus. Ent. Soc.*
Apis Sowerbiana, *Kirby, Mon. Ap. Angl.* ii. 322, 77, ♂, *and Cab. Mus. Ent. Soc.*
Apis Curtisella, *Kirby, Mon. Ap. Angl.* ii. 324, 79, ♂, *and Cab. Mus. Ent. Soc.*
Apis Francillonella, *Kirby, Mon. Ap. Angl.* ii. 319, 75, ♂, *and Cab. Mus. Ent. Soc. and* t. 17, f. 13.
Apis Forsterella, *Kirby, Mon. Ap. Angl.* ii. 325, 80, ♂, *and Cab. Mus. Ent. Soc.*
Bremus agrorum, *Panz. Faun. Germ.* 85, 20.
Bombus agrorum, *Fab. Syst. Piez.* 348, 30, ♀. *Dahlb. Bomb. Scand.* 48, 28, ♂, ♀, ♂. *Nyland. Act. Soc. Sc. Fenn.* 228, 4.
Bombus muscorum, *Smith, Zool.* ii. 545, 2, ♂, ♀, ♂.
Bombus miniorum, *Nyland. Act. Soc. Sc. Fenn.* 240, 29, var.?
L'abeille fauve à ventre jaune et extremité fauve, *Geoff. Ins. Par.* ii. 419, 42.

HAB.—Britain. Constructs its nest of moss.

2. BOMBUS SENILIS. B. M.

Apis senilis, *Fab. Syst. Ent.* 382, 26, *and Cab. Banks. Mus. Linn. Soc.* (var. ♂). *Rossi, Faun. Etrus.* ii. 102, 909, ♂.
Apis muscorum, *Fab. Syst. Ent.* 381, 17, ♀. *Schrank, Ins. Aust.* 801. *Rossi, Faun. Etrus.* ii. 100, 904. *Christ. Hym.* 130, t. 8, f. 3, and 142, t. 11, f. 8, ♂. *Kirby, Mon. Ap. Angl.* ii. 317, 74, *and Cab. Mus. Ent. Soc. Don. Eng. Ins.* xi. 70, t. 382, f. 2.
Apicis impavidus, *Harris, Expos.* 131, 6, t. 38, f. 6, ♀.
Apicis melleus, *Harris, Expos.* 138, 18, t. 11, f. 18.
Apis pygmæus, *Fab. Ent. Syst.* ii. 324, 44, ♂.
Bombus muscorum, *Fab. Syst. Piez.* 349, 32. *Latr. Hist. Nat.* xiv. 65, 7. *Dahlb. Bomb. Scand.* 47, 27. *Nyland. Act. Soc. Sc. Fenn.* 227, 1.
Bombus senilis, *Fab. Syst. Piez.* 352, 50. *Smith, Zool.* ii. 544, 1.
Bombus pygmæus, *Fab. Syst. Piez.* 258, 54, ♂?
Bremus muscorum, *Jurine, Hym.* 261.
Bombus cognatus, *Steph. Brit. Ent. Mand. Supp.* vii. 17, t. 43, f. 3, ♀?
Bombylius, *Ray, Hist. Ins.* 246, 3.
Bourdon, 32, t. 2. f. 1, 2, 3. *Reaum.* vi. *Mem.* i.

HAB.—Britain. Constructs a nest of moss.

3. BOMBUS FRAGRANS. B. M.

Apis fragrans, *Pallas, It.* i. 474, 75. *Kirby, Mon. Ap. Angl.* ii. 329, 88, ♂.
Apis equestris, *Fab. Ent. Syst.* ii. 320, ♀.
Apis pratorum, *Fab. Ent. Syst.* ii. 322, 34.
Bombus equestris, *Fab. Syst. Piez.* 347, 22.
Bombus pratorum, *Fab. Syst. Piez.* 349, 36.
Bombus fragrans, *Dahlb. Bomb. Scand.* 46, 26, f. 16. *St. Farg. Hist. Nat. Ins.* i. 464, 9. *Smith, Zool.* ii. 545, 3. *Nyland. Act. Soc. Sc. Fenn.* 229, 6.

HAB.—London district, and Yorkshire. Constructs a nest of moss.

4. BOMBUS SYLVARUM. B. M.

Apis sylvarum, *Linn. Faun. Suec.* 1713, *and Cab. Mus. Linn. Soc. Scop. Ent Carn.* 822. *Fab. Syst. Ent.* 321, 27. *Rossi, Faun. Etrus.* ii. 906. *Kirby, Mon. Ap. Angl.* ii. 386, 21, t. 17, f. 15, ♀, f. 16, ♂.

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Bremus sylvarum, *Panz. Faun. Germ.* 85, 19.
Bombus sylvarum, *Fab. Syst. Piez.* 348, 27. *Latr. Hist. Nat.* xiv. 65, 8. *Illig. Mag.* v. 164, 9. *Dahlb. Bomb. Scand.* 44, 24. *St. Farg. Hist. Nat. Ins.* i. 463, 8. *Smith, Zool.* ii. 546, 4. *Nyland. Act. Soc. Sc. Fenn.* 236, 22.
Huber, Obs. Trans. Linn. Soc. vi. 227, t. 25, f. 13, 18.

Hab.—Britain. Constructs its nest of moss.

5. Bombus ericetorum.

Apis ericetorum, *Panz. Faun. Germ.* 75, 19, ♀?
Bombus ericetorum, *Fab. Syst. Piez.* 345, 12? *Curtis, Brit. Ent.* xii. t. 564 *Smith, Zool.* ii. 546, 5.

Hab.—Scotland.

6. Bombus lucorum. B. M.

Apis lucorum, *Linn. Faun. Suec.* 1716, *and Cab. Mus. Linn. Soc.* ♂. *Fab. Syst. Ent.* ii. 322, 35. *Schrank, Ins. Aust.* 808. *Kirby, Mon. Ap. Angl.* ii. 336, 89.
Apis hortorum, *Scop. Ent. Carn.* 817, ♀. *Fab. Syst. Ent.* ii. 320, 22.
Apis terrestris, *Christ. Hym.* 127, t. 7, f. 2, ♀. *Kirby, Mon. Ap. Angl.* ii. 350, *and Cab. Mus. Ent. Soc.* (not var. γ.)
Apis cæspitum, *Panz. Faun. Germ.* 31, 19, ♂.
Apis virginalis, *Kirby, Mon. Ap. Angl.* ii. 349, 95, *and Cab. Mus. Ent. Soc.* ♂.
Bombus lucorum, *Fab. Syst. Piez.* 350, 37, ♂. *Dahlb. Bomb. Scand.* 42, 20, ♂. *Smith, Zool.* ii. 546, 6, ♂, ♀, ♂.
Bombus virginalis, *Illig. Mag.* v. 167, 20, ♂. *Dahlb. Bomb. Scand.* 35, 6. *Nyland. Act. Soc. Sc. Fenn.* 233, 14.

Hab.—Britain. Burrows in the ground.

7. Bombus hortorum. B. M.

Apis hortorum, *Linn. Faun. Suec.* 1710, *and Cab. Mus. Linn. Soc.* ♀. *Schrank, Ins. Aust.* 797. *Rossi, Faun. Etrus.* ii. 100, 903?
Apicis fidens, *Harris, Expos.* 130, 3, t. 38, f. 3, ♀.
Apis ruderata, *Fab. Syst. Ent.* 380, 7, ♀. *Christ. Hym.* 128, t. 7, f. 4.

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Apis terrestris, *Rossi, Faun. Etrus.* ii. 99, 902, ♀.
Bombus ruderatus, *Fab. Syst. Piez.* 344, 6, ♀.
Bombus hortorum, *Latr. Hist. Nat.* xiv. 65, 5, ♀. *Illig. Mag.* v. 166, 17. *Walck. Ins. Par.* ii. 146. *Dahlb. Bomb. Scand.* 38, 12, ♂, ♀, ♂. *Smith, Zool.* ii. 546, 7. *Nyland. Act. Soc. Sc. Fenn.* 231, 11.
Ray, Hist. Ins. 248, 11.
Geoff. Hist. Ins. ii. 418, 25.
Huber, Obs. 226, t. 25, f. 10—12.

HAB.—Britain. Burrows in the ground.

8. BOMBUS SCRIMSHIRANUS. B. M.

Apis Jonella, *Kirby, Mon. Ap. Angl.* ii. 338, 90, ♂, *and Cab. Mus. Ent. Soc.?*
Apis Scrimshirana, *Kirby, Mon. Ap. Angl.* ii. 342, 92, ♀, *and Cab. Mus. Ent. Soc.*
Bombus Scrimshiranus, *Illig. Mag.* v. 166, 18. *Dahlb. Bomb. Scand.* 39, 13, ♀, ♂. *Smith, Zool.* ii. 547, ♂, ♀, ♂. *Nyland. Act. Soc. Sc. Fenn.* 232, 12, ♀, ♂.
Bombus Jonellus, *Illig.* v. 166, 16, ♂. *Dahlb. Bomb. Scand.* 43, 21, ♂?

HAB.—London district.

9. BOMBUS SUBTERRANEA. B. M.

Apis subterranea, *Linn. Faun. Suec.* 1718, *and Cab. Mus. Linn. Soc.* ♀. *Fab. Syst. Ent.* 382, 22. *Fourc. Ent. Par.* ii. 448, 21. *Rossi, Faun. Etrus. Mant.* 315.
Apis soroensis, *Fab. Ent. Syst.* ii. 318, 12, (var.) ♀. *Panz. Faun. Germ.* vii. 11. *Kirby, Mon. Ap. Angl.* ii. 354, 98.
Apis neutra, *Panz. Faun. Germ.* 83, 18, ♂.
Bombus neuter, *Fab. Syst. Piez.* 347, 24, ♂. *St. Farg. Hist. Nat. Ins.* i. 469, 15.
Bombus soroensis, *Fab. Syst. Piez*, 345, 10, ♀, var. *Latr. Hist. Nat.* xiv. 65, 6, ♀. *Zett. Ins. Lapp.* 473, 3, ♀. *Dahlb. Bomb. Scand.* 38, 11. *Nyland. Act. Soc. Sc. Fenn.* 239, 28, ♀. *Smith, Zool.* 547, 9 (var. B. Tunstallana).
Bombus subterraneus, *Fab. Syst. Piez*, 350, 39, ♀. *Dahlb. Bomb. Scand.* 32, 3, ♀. *Nyland. Act. Soc. Sc. Fenn*, 239, 27, ♀.
Bombus flavo-nigrescens, *Smith, Zool.* iv. 1566, ♂, ♀, ♂.

HAB.—Britain. Burrows in the ground.

10. Bombus Latreillellus. B. M.

Apis Latreillella, *Kirby, Mon. Ap. Angl.* ii. 330, 84, ♂, *and Cab. Mus. Ent. Soc.*
Apis Tunstallana, *Kirby, Mon. Ap. Angl.* ii. 346, 94, ♀, *and Cab. Mus. Ent. Soc.*
Apis maura, *Christ. Hym.* 131, t. 8, f. 8, ♂?
Bombus Latreillellus, *Illig. Mag.* v. 165, 11, ♂. *Dahlb. Bomb. Scand.* 39, 14, ♂. *Nyland. Act. Soc. Sc. Fenn.* 234, 18.
Bombus soroensis, *Smith, Zool.* ii. 547, 9, ♂, ♀, var.
Bombus Tunstallana, *Nyland. Act. Soc. Sc. Fenn.* 231, 10, ♀.

Hab.—Britain. Burrows in the ground.

11. Bombus terrestris. The Humble Bee, Dumbledor. B. M.

Apis terrestris, *Linn. Faun. Suec.* 1709, *and Cab. Mus. Linn. Soc.* ♀. *Scop. Ent. Carn.* 815, & f. 815, ♀. *Fab. Syst. Ent.* 379, 5. *Schrank, Ins. Aust.* 395, 796. *Rossi, Faun. Etrus.* ii. 99, 902, not var. describ. *Don. Brit. Ins.* iii. 41, t. 88, f. 1. *Panz. Faun. Germ.* 1, 16. *Kirby, Mon. Ap. Angl.* ii. 350, var. γ. Acul.
Apicis audax, *Harris, Expos.* 130, t. 38, f. 1.
Bombus terrestris. *Latr. Hist. Nat. Ins.* xiv. 64, 1. *Fab. Syst. Piez.* 343, 4. *Dahlb. Bomb. Scand.* 34, 5, f. 5. *St. Farg. Hist. Nat. Ins.* i. 467, 13. *Nyland. Act. Soc. Sc. Fenn.* 232, 13? *Smith, Zool.* ii. 547, 10.
Ray, Hist. Ins. 247, 5, ♂, & 248, 15, ♀.
Reaum. Ins. vi. *Mem.* 1st, 2, t. 3, f. 1.
Frisch. Ins. ix. 17, f. 13, ♀.
Sultz. Ins. t. 19, f. 124.
Schæff. Icon. t. 251, f. 7.

Hab.—Britain. In the ground, under stones, &c.

12. Bombus pratorum. B. M.

Apis pratorum, *Linn. Faun. Suec.* 1711, *and Cab. Mus. Linn. Soc.* ♂, *Schrank, Ins. Aust.* 798. *Kirby, Mon. Ap. Angl.* ii. 360, 103.
Apis collaris, *Scop. Ent. Carn.* 818, ♂.
Apicis vereor, *Harris, Expos.* 136, t. 40, f. 9, ♂.
Apicis formido, *Harris, Expos.* 136, t. 40, f. 10, ♂?
Apis regalis, *Fourc. Ent. Par.* 449, 24, ♂.
Apis bistriata, *Christ. Hym.* 128, t. 7, f. 3, ♀.

Apis arbustorum, *Fab. Ent. Syst.* ii. 320, 24, ♂.
Apis subinterrupta, *Kirby, Mon. Ap. Angl.* ii. 356, 99, ♀, t. 18, f. 5, *and Cab. Mus. Ent. Soc.*
Apis Burrellana, *Kirby, Mon. Ap. Angl.* ii. 358, 101, ♂, *and Cab. Mus. Ent. Soc.*
Bremus truncorum, *Panz. Faun. Germ.* 85, 21.
Bombus arbustorum, *Fab. Syst. Piez.* 347, 23. *Zett. Ins. Lapp.* 473, 5.
Bombus subinterruptus, *Latr. Hist. Nat.* xiv. 64, 4. *St. Farg. Hist. Nat. Ins.* i. 461, 5. *Illig. Mag.* v. 167, 20. *Dahlb. Bomb. Scand.* 35, 7.
Bombus ephippium, *Dahlb. Bomb. Scand.* 37, 10, ♂. *Zett. Ins. Lapp.* 473, 6, ♀.
Bombus Burrellanus, *Dahlb. Bomb. Scand.* 43, 22, ♂.
Bombus pratorum, *Smith, Zool.* ii. 548, 11.

Hab.—Britain. Constructs a nest of moss.

13. Bombus Cullumanus. B. M.

Apis Cullumana, *Kirby, Mon. Ap. Angl.* ii. 359, 102, ♂, *and Cab. Mus. Ent. Soc.*
Apis Donovanella, *Kirby, Mon. Ap. Angl.* ii. 357, 100, t. 18, f. 6, ♀, *and Cab. Mus. Ent. Soc.*
Apis pratorum, *Smith, Zool.* ii. 548, 11, var. ♂, ♀.

Hab.—Coombe Wood, and Bristol.

14. Bombus collinus.

Bombus collinus, *Smith, Zool.* ii. 548, 17, ♂.

Hab.—Westow, Yorks; Bristol; and Brighton Downs.

15. Bombus monticola.

Bombus regelationis, *Newm. Ent. Mag.* ii. 327, not of *Panz.*
Bombus montanus, *Smith, Zool.* ii. 549, 13, ♂, ♀, ♂, not of *St. Farg.*
Bombus monticola, *Smith, Zool.* vii. *App.* 59.
Bombus Lefebvrei, *St. Farg. Hist. Nat. Ins.* i. 461, 4, ♀.

Hab.—Black Mountain, opposite to Llantony Abbey, Brecknockshire, S. Wales; Herefordshire and Monmouthshire; Hills, near Halifax, Yorkshire.

16. Bombus Derhamellus. B. M.

Apis Derhamellus, *Kirby, Mon. Ap. Angl.* ii. 363, 105, *and Cab. Mus. Ent. Soc.* ♂.
Apis Raiellus, *Kirby, Mon. Ap. Angl.* ii. 367, 107, *and Cab. Mus. Ent. Soc.* ♀.
Bombus Derhamellus, *Dahlb. Bomb. Scand.* 44, 23, ♂, ♀, ♂.
Bombus Raiellus, *Illig. Mag.* v. 169, 31. *Smith, Zool.* ii. 550, 15. *Nyland. Act. Soc. Sc. Fenn.* 238, 26.
Bombylus minor, *Ray, Hist. Ins.* 246, 2.

Hab.—Britain. Constructs a nest of moss.

17. Bombus lapidarius. B. M.

Apis lapidaria, *Linn. Faun. Suec.* 1712, *and Cab. Mus. Linn. Soc.* ♀. *Scop. Ent. Carn.* 813, & f. 813, ♀, No. 1. *Fab. Syst. Ent.* 381, 14. *Schrank, Ins. Aust.* 799. *Fourc. Ent. Par.* ii. 449, 22. *Christ.* 126, ♂ t. 7, f. 1, ♀. *Don. Eng. Ins.* iii. 97, & t. 108, f. 1, ♀, t. 58, f. 2, ♂. *Kirby, Mon. Ap. Angl.* ii. 363, 106, ♂, ♀, ♂.
Apicis pertristis, *Harris, Expos.* 137, ♂ t. 40, f. 14, ♂.
Apicis opis, *Harris, Expos.* 137, t. 40, f. 12, ♂.
Apis coronata, *Fourc. Ent. Par.* ii. 449, 23, ♂.
Apis arbustorum, *Fab. Ent. Syst.* ii. 320, 24, ♂.
Bremus truncorum, *Panz. Faun. Germ.* 85, 21, ♂.
Bombus lapidarius, *Latr. Hist. Nat. Ins.* xiv. 64, 2, ♀. *Fab. Syst. Piez.* 347, 2. *Dahlb. Bomb. Scand.* 30, 1, ♂, ♀, ♂. *St. Farg. Hist. Nat. Ins.* i. 460, 3. *Smith, Zool.* ii. 549, 14. *Nyland. Act. Soc. Sc. Fenn.* 238, 25.
Ray, Hist. Ins. 247, No. 7.
Reaum. vi. 2, 3, t. 1, f. 1—4.
Schäff. Icon. Ins. t. 69, f. 9.
Huber. Obs. Linn. Trans. vi. 223, t. 25, f. 1, 2, 3.

Hab.—Britain. Under stones, &c.

18. Bombus Harrisellus.

Apis Harrisella, *Kirby, Mon. Ap. Angl.* ii. 373, 110, & t. 18, f. 7, 8, ♂, ♀.
Bombus Harrisellus, *Smith, Zool.* ii. 550, 16.
Bombus subterranea, *Dahlb. Mon. Bomb. Scand.* 33, 3? not B. subterranea, *Linn.*

Hab.—London district; Barham, Suffolk; Epping.

28. APIS.

Apis, *Auctorum.*

1. APIS MELLIFICA. The Hive Bee; Honey Bee, &c. B. M.

Apis mellifica, *Linn. Faun. Suec.* 1697. *Scop. Ent. Carn.* 811. *Fab. Syst. Ent.* 383, 30. *Sulz. Ins.* t. 19, f. 123. *Harris, Expos.* t. 39, f. 9, 10. *Schrank, Ins. Aust.* 813. *Rossi, Faun. Etrus.* ii. 103, 912. *Christ. Hym.* 73, t. 1, f. 1, ♂, t. 2, f. 5, ♀, t. 3, f. 1, ☿. *Don. Brit. Ins.* xiv. 63, t. 492. *Kirby, Mon. Ap. Angl.* ii. 312, 73, & t. 17, f. 10, 11, 12. *Panz. Faun. Germ.* 85, t. 16, ☿, t. 17, ♀, t. 18, ♂. *Latr. Hist. Nat.* xiv. 66, 1. *Spin. Ins. Lig.* i. 35, 15. *Jurine, Hym.* 244, t. 12, gen. 35, ♀. *Curt. Brit. Ent.* xvi. t. 769, ☿, ♀, ♂. *St. Farg. Hist. Nat. Ins.* i. 401, 1. *Nyland. Act. Soc. Sc. Fenn.* 226, 1.
Apis cerifera, *Scop. Ann. Hist. Nat.* iv. 16, 16.
Apis gregaria, *Geoff. Ins.* ii. 407, 1.
L'Abeille domestique, Apis mellifera, *Ent. Par.* ii. 442, 1.
Apis domestica, *Ray, Hist. Ins.* 240.
Reaum. Ins. v. t. 22, f. 1, ♂, f. 2, ☿, f. 4, ♀, & t. 25, f. 1, ♂, f. 10, ☿, f. 16, 17, ♀.
Swamm. Bibl. Nat. t. 17, f. 1, 2, ♂, 3, ♀, 4, ☿.

HAB.—Britain.

Fam. 2. CHRYSIDIDÆ, *Leach.*

Chrysidides, *Latr. Hist. Nat. Ins.* xiii. 1802.
Chrysidida, *Leach, Enc. Edinb.* 1812.
Chrysididæ, *Leach, Enc. Edinb.* 1817.
Chrysidites, *Newm. Ent. Mag.* ii. 1834.

1. CLEPTES.

Sphex, pt., *Linn. Faun. Suec.* 411, 1761.
Chrysis, pt., *Fab. Syst. Ent.* 357, 1775.
Ichneumon, pt., *Fab. Mant.* 259, 1787.
Cleptes, *Latr. Hist. Nat. Ins.* xiii. 236, 1805.

1. CLEPTES SEMIAURATA. B. M.

Sphex semiaurata, *Linn. Faun. Suec.* 1661. *Schrank, Ins. Aust.* 781.
Chrysis semiaurata, *Fab. Syst. Ent.* 359, 14. *Oliv. Enc. Méth.* ii. 676, 21.
Ichneumon semiauratus, *Fab. Mant.* i. 269, 127. *Rossi, Faun. Etrus.* ii. 53, 790, ♂, t. 6, f. 1 & 7. *Panz. Faun. Germ.* 51, 2, ♂.
Ichneumon splendens, *Fab. Ent. Syst. Supp.* 229, 211, ♂.
Ichneumon auratus, *Panz. Faun. Germ.* 52, 1, ♀.
Cleptes semiaurata, *Latr. Hist. Nat.* xiii. 236, 1. *Fab. Syst. Piez.* 154, 1. *Shuck. Ent. Mag.* iv. 158, 1. *St. Farg. Hist. Nat. Ins.* iv. t. 37, f. 2.
La Guêpe dorée cuivreuse à ventre fauve & noir, *Geoff. Ins. Par.* ii. 384, 24.

HAB.—London district, &c.

2. CLEPTES NITIDULA. B. M.

Ichneumon nitidulus, *Fab. Ent. Syst.* ii. 184, 211, *Exclus. Synon. Rossius. Coqueb. Icon.* i. t. 4, f. 5.
Cleptes nitidula, *Latr. Hist. Nat. Ins.* xiii. 236, 2. *Fab. Syst. Piez.* 154, 2. *Shuck. Ent. Mag.* iv. 159, 2. *Curt. Brit. Ent. St. Farg. Hist. Nat. Ins.* iv.

HAB.—Suffolk; New Forest; and Scotland.

2. CHRYSIS.

Chrysis, pt., *Linn. Faun. Suec.* 414, 1761.
Sphex, pt., *Scop. Ent. Carn.* 290, 1771.

1. CHRYSIS IGNITA. B. M.

Chrysis ignita, *Linn. Faun. Suec.* 1665, *and Cab. Mus. Linn. Soc. Fab. Syst. Ent.* 358, 6. *Schrank. Ins. Aust.* 387, 782. *Rossi, Faun. Etrus.* ii. 74, 842. *Oliv. Enc. Méth.* ii. 673, 11. *Christ. Hym.* 404, t. 45, 1. *Don. Brit. Ins.* i. 19, t. 7. *Panz. Faun. Germ.* v. 22. *Latr. Hist. Nat.* xiii. 238, 4. *Spin. Ins. Lig.* i. 64, 6. *St. Farg. Ann. du Mus.* vii. 126, 12, & *Hist. Nat. Ins.* iii. t. 37, f. 6. *Dahlb. Mon. Chrysid.* 7, 2. *Shuck. Ent. Mag.* iv. 161, 1, ♂, ♀, and var. 1—6. *Zett. Ins. Lapp.* 433, 2.

Sphex ignita, *Scop. Ent. Carn.* 791, f. 791.
La Guêpe dorée, *Geoff. Ins. Par.* ii. 382, 20.
De Geer. Ins. ii. t. 28, f. 17, 18.
Vespa ignita, *Fourc. Ins. Par.* ii. 440, 25.

HAB.—Britain (Nests of Ancistrocerus parietinus, &c.).

2. CHRYSIS RUDDII. B. M.

Chrysis Ruddii, *Shuck. Ent. Mag.* iv. 163, 2.

HAB.—London district; Bristol; New Forest; Yorks.

3. CHRYSIS FULGIDA. B. M.

Chrysis fulgida, *Linn. Faun. Suec.* 1669, *and Cab. Mus. Linn. Soc. Schrank, Ins. Aust.* 783. *Fab. Mant.* i. 283, 7. *Oliv. Enc. Méth, Ins.* ii. 673, 9. *St. Farg. Ann. Mus. Hist. Nat.* vii. 126. 13. *Panz. Faun. Germ.* 79, 15. *Spin. Ins. Lig.* i. 64, 4. *Latr. Hist. Nat.* xiii. 237, 2. *Curtis, Brit. Ent.* i. t. 8. *Dahlb. Mon. Chrysid. Suec.* 7, 1. *Shuck. Ent. Mag.* iv. 164, 3. *Zett. Ins. Lapp.* 433, 1.

HAB.—Kent; London district; Hants, &c.

4. CHRYSIS ORNATUS.

Chrysis ornatus, *Smith, Zool.* ix. *App.* 125.

HAB.—Bristol.

5. CHRYSIS ORNATRIX. B. M.

Chrysis ornatrix, *Christ. Hym.* 403, t. 44, f. 12.
Chrysis Stoudera, *Jurine*, t. 12, gen. 9. *Spin. Ins. Lig.* ii. 26, 26. *Shuck. Ent. Mag.* iv. 165, 4.

HAB.—Darenth Wood; Camberwell, &c.

6. CHRYSIS ANALIS.

Chrysis analis, *Spin. Ins. Lig.* ii. 26, 26. *Shuck. Ent. Mag.* iv. 165, 5.

HAB.—Yarm, Yorks?

7. CHRYSIS BIDENTATA. B. M.

Chrysis bidentata, *Linn. Syst. Nat.* i. 947, 2. *Fab. Syst. Ent.* 358, 7. *Christ. Hym.* 398, t. 44, f. 2. *Oliv. Enc. Méth. Ins.* ii. 674, 12. *Panz. Faun. Germ.* 77, 15. *Don. Brit. Ins.* i. t. 19. *St. Farg. Ann. Mus. Hist. Nat.* vii. 128, 23. *Dahlb. Mon. Chrysid. Suec.* vii. 3. *Shuck. Ent. Mag.* iv. 165, 6.

Chrysis dimidiata, *Fab. Ent. Syst. Supp.* 258, 15—16. *Latr. Hist. Nat.* xiii. 238, 5. *St. Farg. Ann. Mus. Hist. Nat.* vii. 127, 20. *Spin. Ins. Lig.* ii. 170, 15.

De Geer, Ins. ii. 159, 2, t. 29, f. 3, 4.

HAB.—Britain (in nests of Odynerus spinipes, &c.)

8. CHRYSIS SUCCINCTA. B. M.

Chrysis succincta. *Linn. Syst. Nat.* i. 947, 3. *Fab. Syst. Ent.* 358, 8. *Rossi, Faun. Etrus.* ii. 76, 846. *Christ. Hym.* 400, t. 44, f. 6. *Panz. Faun. Germ.* 77, 16. *Oliv. Enc. Méth.* ii. 674, 14. *St. Farg. Ann. Mus. Hist. Nat.* vii. 128, 24. *Spin. Ins. Lig.* i. 64, 7. *Shuck. Ent. Mag.* iv. 166, 7.

HAB.—Brockenhurst, New Forest; Bristol; and Blackwater, Hants.

9. CHRYSIS CYANEA. B. M.

Chrysis cyanea, *Linn. Syst. Nat.* i. 948, 5. *Fab. Syst. Ent.* 359, 11, *Piez.* 176, 29. *Rossi, Faun. Etrus.* ii. 76, 845. *Oliv. Enc. Méth. Ins.* ii. 675, 19. *Christ. Hym.* 403, t. 44, f. 11. *Don. Brit. Ins.* vii. 51, t. 235. *Panz. Faun. Germ.* 51, 10. *Schrank, Faun. Boic.* ii. 345, 2199. *Latr. Hist. Nat.* xiii. 238, 6. *St. Farg. Ann. Mus. Hist. Nat.* vii. 128, 22. *Shuck. Ent. Mag.* iv. 167, 8.

HAB.—Britain (in the nests of Chelostoma florisomnis).

10. CHRYSIS CUPREA. B. M.

Chrysis cuprea, *Rossi, Faun. Etrus.* ii. 78, 851.

Chrysis cœrulescens, *Fab. Ent. Syst. Supp.* 257, 9—10. *Coqueb. Illus.* 59, t. 14, f. 5.

Chrysis cœrulipes, *Fab. Syst. Piez.* 173, 13. *Spin. Ins. Lig.* i. 64, 5. *Shuck. Ent. Mag.* iv. 167, 9.

Chrysis Leachii, *Steph. Cat.* 5308.

HAB.—Not known.

11. CHRYSIS AUSTRIACA. B. M.

Chrysis Austriaca, *Fab. Syst. Piez.* 173, 15? *St. Farg. Ann. Mus. Nat. Hist.* vii. 128, 28. *Shuck. Ent. Mag.* iv. 168, 11.

HAB.—Hampstead; Battersea; Bexley, Kent; the Grampians, Scotland (in the nests of Osmia parietina).

12. CHRYSIS NEGLECTA, *Shuck.* B. M.

Chrysis rufa, *Steph. Cat.* 392, 5306, not of *Panz.*
Chrysis neglecta, *Shuck. Ent. Mag.* iv. 169, 12.

HAB.—Britain (in the nests of Odynerus spinipes, and of Osmia bicornis).

3. EUCHRÆUS.

Eucharis, *Latr. Hist. Nat. Ins.* xiii. 1805.
Euchræus, *Latr. Gen. Crust. Ins.* iv. 1809.

1. EUCHRÆUS QUADRATUS. B. M.

Euchræus sexdentata, *Latr. Nouv. Dict.* x. 529, not of *Fab.* or *Panz.*
Euchræus quadratus, *Leach, MSS. Shuck. Ent. Mag.* iv. 169, 1.

HAB.—Swansea.

4. HEDYCHRUM.

Chrysis, pt., *Linn. Faun. Suec.* 414, 1761.
Sphex, pt., *Scop. Ent. Carn.* 290, 1771.
Omalus, *Panz. Faun. Germ.* 97, 1806.
Hedychrum, *Latr. Hist. Nat. Ins.* xiii. 1805.

1. HEDYCHRUM REGIUM. B. M.

Chrysis regia, *Fab. Ent. Syst.* ii. 243, 19. *Coqueb. Illus.* 60, t. 14, f. 8. *Panz. Faun. Germ.* 51, 9. *Spin. Ins. Lig.* i. 65, 11.
Hedychrum regium, *St. Farg. Ann. Mus. Hist. Nat.* vii. 122, 4. *Shuck. Ent. Mag.* iv. 171, 1.

HAB.—Sandown, Isle of Wight.

2. HEDYCHRUM NOBILE. B. M.

Sphex nobilis, *Scop. Ent. Carn.* 792, f. 792.
Chrysis nobilis, *Schrank, Ins. Aust.* 784. *Christ. Hym.* 400, t. 44, f. 5.
Chrysis lucidula, *Fab. Syst. Ent.* 358, 9. *Rossi, Faun. Etrus.* ii. 76, 847. *Oliv. Enc. Méth. Ins.* ii. 675, 15. *Coqueb. Illus.* 58, t. 14, f. 4. *Spin. Ins. Lig.* i. 64, 8.
Chrysis fervida, *Panz. Faun. Germ.* 51, 6.
Hedychrum lucidulum, *Latr. Hist. Nat.* xiii. 239, 2. *St. Farg. Ann. Mus. Hist. Nat.* vii. 122, 9, & *Hist. Nat. Ins.* iii. t. 37, f. 5. *Shuck. Ent. Mag.* iv. 171, 2.
Geoff. Ins. Par. ii. 382, 19.

HAB.—Devonshire; London district?

3. HEDYCHRUM VIOLACEUM. B. M.

Sphex violacea, *Scop. Ent. Carn.* 793, f. 793.
Chrysis violacea, *Rossi, Faun. Etrus.* ii. 77, 848. *Christ. Hym.* 405.
Hedychrum cærulescens, *St. Farg. Ann. Mus. Hist. Nat.* vii. 122, 10, f. 10. *Shuck. Ent. Mag.* iv. 172, 3.

HAB.—Not known.

4. HEDYCHRUM ARDENS. B. M.

Chrysis ardens, *Coqueb. Illus. Icon. Ins.* 59, t. 14, f. 7?
Hedychrum nitidum, *St. Farg. Ann. Mus. Hist. Nat.* vii. 123, 12, f. 5.
Hedychrum ardens, *Curt. Brit. Ent.* i. t. 38. *Shuck. Ent. Mag.* iv. 172, 4.

HAB.—London district; Southend; New Forest; Isle of Wight, &c.

5. HEDYCHRUM FERVIDUM. B. M.

Chrysis fervida, *Fab. Ent. Syst.* ii. 242, 16. *Oliv. Enc. Méth. Ins.* ii. 675, 16. *Spin. Ins. Lig.* i. 64, 9.
Hedychrum fervidum, *Latr. Hist. Nat.* xiii. 240, 3. *St. Farg. Ann. Mus. Hist. Nat.* vii. 122, 7. *Shuck. Ent. Mag.* iv. 172, 5.

HAB.—Wandsworth; Weybridge, Surrey.

6. HEDYCHRUM ROSEUM. B. M.

Chrysis rosea, *Rossi, Faun. Etrus.* ii. 75, 843 (*Exclus. Synon.*), t. 8, f. 7.
Chrysis rufa, *Panz. Faun. Germ.* 79, 16.
Hedychrum roseum, *St. Farg. Ann. Mus. Hist. Nat.* vii. 123, 13. *Shuck. Ent. Mag.* iv. 173, 6.

HAB.—Hampstead Heath; Birch Wood and Weybridge.

7. HEDYCHRUM AURATUM. B. M.

Chrysis aurata, *Linn. Syst. Nat.* i. 948, 4. *Fab. Syst. Ent.* 359, 10, *Piez.* 175, 25. *Schrank, Ins. Aust.* 785. *Rossi, Faun. Etrus.* ii. 75, 844. *Oliv. Enc. Méth.* ii. 675, 18 *Christ. Hym.* 399, t. 44, f. 4. *Panz. Faun. Germ.* 51, 8.
Hedychrum auratum, *Latr. Hist. Nat.* xiii. 239. *St. Farg. Ann. Mus. Hist. Nat.* vii. 121, 1. *Shuck. Ent. Mag.* iv. 174, 7.

HAB.—Britain. From the nests of Cemonus unicolor, in Bramble sticks.

8. HEDYCHRUM ÆNEUM. B. M.

Chrysis ænea, *Fab. Ent. Syst.* ii. 224, 17. *Panz. Faun. Germ.* 51, 7.
Omalus nitidus, *Panz. Faun. Germ.* 97, 17.
Hedychrum nitidum, *Spin. Ins. Lig.* ii. 170, 15, 1? var.
Hedychrum æneum, *Spin. Ins. Lig.* ii. 170, 15.
Hedychrum imperiale, *Leach, MSS. Steph. Cat.* 5283.
Chrysis cœrulea, *Dahlb. Excercit. Hym.* 33, 17.
Hedychrum bidentulum, *St. Farg. Ann. Mus. Hist. Nat.* vii. 121, 3. *Shuck. Ent. Mag.* iv. 174, 8.

HAB.—Britain (Bramble sticks, &c., out of the nests of Cemonus unicolor).

5. ELAMPUS.

Chrysis, pt., *Fab. Syst. Piez.* 170, 1804.
Hedychrum, pt., *St. Farg. Ann. Mus. Hist. Ins.* vii. 120, 1806.
Elampus, *Spin. Ins. Lig.* ii. 1808.

1. ELAMPUS PANZERI. B. M.

Chrysis scutellaris, *Panz. Faun. Germ.* 51, 11, nec *Fab.*
Chrysis Panzeri, *Fab. Syst. Piez.* 172, 9. *Spin. Ins. Lig.* i. 63, 3.
Hedychrum spina, *St. Farg. Ann. Mus. Hist. Nat.* vii. 121, 2, f. 2.
Elampus Panzeri, *Shuck. Ent. Mag.* iv. 176, 1.

HAB.—Birch Wood; New Forest; Sandhurst, Bucks; and Weybridge.

APPENDIX.

Formica rufa.

Formica rufa, *Linn. Faun. Suec.* 1721. *Syst. Nat.* i. 963, 4. *Nyland, Adno. Mon. Form. Boreal*, 902, 5. *Foerster, Hym. Stud. Form.* 13, 3.
Formica polyctena, *Foerster, Hym. Stud. Form.* 15, 4, Var.?
Formica congerens, *Foerster, Hym. Stud. Form.* 17, 5, ♂, ♀.

Formica sanguinea.

Formica sanguinea. *Latr. Hist. Nat. Fourm.* 150. *Foerster, Hym. Stud. Form.* 20, 6.
Formica dominula, *Nyland. Adno. Mon. Form. Boreal. Europ.* 905, 6.

Female (length 4¼—4½ lines). Head, thorax, legs and scale of the abdomen bright fulvous red; the head above the antennæ, of a reddish brown; the wings smoky at their base, extending to the stigma: abdomen ashy-black; superior margin of the scale entire.

Worker (length 3—4 lines). Bright ferruginous, the head has the vertex, but rarely, slightly stained of a darker colour: abdomen of an ashy-black, tinged with ferruginous at the base; the scale slightly notched above.

Male (length 3¾—4 lines). Black; the legs, tip of the abdomen, mouth (not the mandibles) and antennæ, pale red; the latter darkest towards their base; head and thorax of about equal width; abdomen one-third wider than the thorax; the scale not notched above; the wings smoky as in the female. (All the sexes from the same nest).

Formica cunicularia.

Formica cunicularia, *Latr. Fourm.* 151. *Nyland. Adno. Mon. Form. Boreal.* 913, 11. *Foerster, Hym. Stud. Form.* 25, 9.

Female (length 4 lines). Antennæ, face below them, the mandibles, thorax, legs and scale of the abdomen bright ferruginous; the disk of the thorax of a dark red-brown, or with three or four spots of that colour; the antennæ are darker towards their apex: the scale is very slightly notched; abdomen of an ashy black; at the base and beneath having a ferruginous tinge: the wings are hyaline, but slightly smoky towards their base; the nervures are testaceous, the stigma brown.

Worker (length 2—2¾ lines). This sex is similarly coloured to the female, but altogether duller; and the thorax is more elongate and narrowed towards the metathorax; the abdominal scale is not notched, and the legs more elongate than in the female.

Male (length 4 lines). Black; the legs and tip of the abdomen of a pale reddish yellow; the scale is quadrate and deeply notched above; the wings hyaline, but smoky towards their base, the nervures testaceous, the stigma brown: abdomen elongate, about the same width as the thorax, and having a bright silky gloss. (All the sexes taken from the same nest.)

Note.—The male closely resembles that of *Formica fusca*, but distinguished by having the externo-medial nervure continued to the base of the wing; in fusca it becomes obsolete.

Formica umbrata. B. M.

Formica umbrata, *Nyland. Addit. Adno. Mon. Form. Boreal. Europ.* 1048, ♂, ♀; ♂.

Hab.—Hampstead.

Female (length 3 lines) of a brown testaceous red; the legs and antennæ are pale testaceous, as are also the mandibles and apex of the metathorax; the scale is small, and not notched; the head and disk of the thorax very smooth and shining; the wings ample, and deeply smoky towards their base; the nervures and stigma are pale testaceous; the head is of the same width as the thorax, the eyes pubescent.

This species closely resembles *F. flava*, but the thorax is more elongate and narrower, the legs are stouter, and the eyes are pubescent; the female only has hitherto been captured in England.

Formica nigra.

Formica nigra, *Linn. Faun. Suec.* 1723. *Nyland. Adno. Mon. Form. Boreal.* 920, 16.
Formica fusca, *Foerster, Hym. Stud. Form.* 33, 14.

Formica fuliginosa.

Formica fuliginosa, *Latr. Fourm.* 140, t. 5, f. 27, ♂, ♀, ♂. *Nyland. Adno. Mon. Form. Boreal.* 915, 12. *Foerster, Hym. Stud. Form.* 28, 11.

Formica flava.

Formica flava, *Fab. Ent. Syst.* ii. 357, 34. *Nyland. Adno. Mon. Form. Boreal.* 922, 17. *Foerster, Hym. Stud. Form.* 38, 17.

Formica fusca.

Formica fusca, *Linn. Faun. Suec.* 1722. *Nyland. Adno. Mon. Form. Boreal.* 919, 15.

Myrmica rubra. B. M.

Formica rubra, *Linn. Faun. Suec.* 1725.
Myrmica cœspitum, *Zett. Ins. Lapp.* 450, 1, ♂.
Myrmica ruginodis, *Nyland. Adno. Mon. Form. Boreal.* 930, 3. *Foerster, Hym. Stud. Form.* 66, 36.

The majority of specimens examined of this species possessing the Linnean characteristic "punctum nigrum sub abdomine," the Linnean name has been retained for it.

MYRMICA LÆVINODIS. B. M.

Myrmica lævinodis, *Nyland. Adno. Mon. Form. Boreal. Europ.* 927, 1. *Foerster, Hym. Stud. Form.* 64, 35.

HAB.—Britain.

This species is not rare, and has been hitherto regarded as a form of *M. rubra.*

MYRMICA RUGINODIS. B. M.

Formica vagans, *Fab. Ent. Syst.* ii. 358, 37. *Piez.* 407, 48?
Myrmica ruginodis, *Nyland. Adno. Mon. Form. Boreal. Europ.* 929, 2. *Foerster, Hym. Stud. Form.* 66, 36.

HAB.—Britain.

This species is equally abundant with *M. rubra*, and has been hitherto regarded as a form of that species.

MYRMICA FUSCULA. B. M.

Formica cæspitum, *Linn. Faun. Suec.* 1726? *Latr. Fourm.* 251.
Myrmica fuscula, *Nyland. Adno. Mon. Form. Boreal. Europ.* 935, 6. *Foerster, Hym. Stud. Form.* 56, 29.

HAB.—Sandown Bay, Isle of Wight; London district; and Folkstone.

MYRMICA SIMILLIMA.

Myrmica simillima, *Nyland. MSS.*

Worker (length ¾—1 line). Head and thorax pale ferruginous, the legs and antennæ more pallid, the coxæ a little coloured, the eyes black; the abdomen is rufo-fuscous, pale towards the apex; the head is evenly longitudinally striate; the thorax above is without the usual transverse suture, but is a little compressed at the sides about the middle, and gradually slightly narrowed from the prothorax towards the nodes of the peduncle; the metathorax is

truncate at the apex, and the spines are short, broad, and acute; the abdomen is furnished with a few scattered erect hairs.

This species is very much like *M. tuberum*, being of the same size, and resembling some specimens closely in its colour; the sculpture is however different.

HAB.—Dorset.

MYRMICA DOMESTICA.

Female (length 1¼ line). Pale fulvous, eyes and ocelli black; a short elongate line on the prothorax, a similar one on each side; the scutellum, a stain on the pectus, and sides of the breast brown; a transverse dark brown fascia on the basal segment of the abdomen not quite reaching the apical margin, the remaining segments dark brown, their margins piceous.

Male (length 1 line). Head black, thorax and abdomen nigro-piceous, the legs and antennæ pale testaceous, the femora tinged with brown; the wings hyaline, the nervures and stigma very pale testaceous; the abdomen is heart-shaped, rather palest at the base: the metathorax and peduncle of the abdomen beneath without spines in both sexes.

POMPILUS ACUMINATUS.

Male (length 4 lines). Black; head very delicately punctured, with a few larger scattered punctures; the face below the antennæ covered with a thin silvery pile, the labrum concealed, the antennæ about the length of the thorax, robust and of uniform thickness, except the apical joint which is acuminate: thorax, very delicately punctured, the metathorax much more strongly so, and having, particularly at the sides, a silvery pubescence; the sides of the thorax, and all the coxæ are covered with a changeable silvery pile; the wings are slightly clouded at their margins; the second submarginal cell is large and oblong, the third becomes gradually about one-third narrower towards the marginal; the legs nigro-piceous, the anterior pair simple, the intermediate and posterior pairs slightly ciliated: abdomen narrower than the thorax, smooth and shining, and thinly covered with a silvery pile, the extreme apex piceous.

HAB.—Kirkpatrick Juxta, Moffat, Scotland.

Trypoxylon attenuata.

Female (length 3½ lines). Black: very delicately punctured; an impressed line extending from the anterior ocellus to the apex of the prominence between the basal joints of the antennæ; the clypeus clothed with silvery pile: thorax sub-opaque; at the base of the metathorax is a semicircular enclosed space, evenly and divergently striated; down the centre is a longitudinal depression widest at the apex, it is continued from thence to the apex of the metathorax, towards which it gradually becomes narrower; the wings splendidly iridescent, and slightly clouded towards their apical margins: abdomen shining, the three basal segments scarcely constricted; the basal one as long as the second and third united, and having a deep channel above extending half its length from the base.

The male corresponds with the female both in colour and sculpture, exhibiting only the usual sexual differences.

Hab.—Bristol.

Crabro lapidarius, *Fab.*

Female (length 4 lines). Black; the head large, quadrate, as wide as the thorax, deeply and coarsely punctured; the stemmata placed in a triangle, the posterior pair in a line with the apical margin of the eyes, the clypeus densely covered with silvery pile and having a central longitudinal carina; the basal joint of the antennæ yellow, and having towards the base within, an elongate brown stain: the thorax above is coarsely punctured, the punctures confluent, the scutellum strigose, the metathorax rugose, and having a central longitudinal impressed line, which is transversely striate; the collar has a yellow spot on each side, and the tubercles, tibiæ, anterior and intermediate femora towards their apex, and basal joint of the tarsi are also yellow; the posterior femora have an elongate yellow stripe beneath; the apical joints of the tarsi rufo-fuscous; the tegulæ piceous, wings hyaline: the abdomen is elongate-ovate; the three basal segments have a broadly interrupted yellow band, the fourth subinterrupted, and the fifth entire; beneath rufo-piceous.

Hab.—Weybridge.

This insect may prove to be the female of the *Crabro clypeatus*; it was captured near the same spot where that species occurred. I think it must be the *lapidarius* of Fab.

Crabro scutellaris.

Female (length 3 lines). Black: head very delicately punctured; the stemmata placed in a triangle on the vertex; on each side of them is a smooth, shining, oblique depression, which extends to the margin of the eyes; between the posterior stemmata is another impressed line, which extends a little beyond them; from the anterior stemma a fourth impressed line extends to the face, which is smooth and shining; the clypeus is covered with silvery pile, and has a central carina; the palpi testaceous, and the mandibles rufescent at their apex; the scape yellow in front: the thorax is closely and finely punctured; the metathorax has an enclosed, half-circular space, divided down the centre by a longitudinal incisure, which passes beyond to the apex of the metathorax; the enclosed space obliquely striated, beyond this it is very delicately transversely striate: the collar (sub-interrupted in the centre), a spot on the scutellum, the anterior tibiæ in front, the intermediate pair at their base and apex in front, and the posterior at their base, yellow: the basal joint of the tarsi, and the tegulæ testaceous; the intermediate and posterior tibiæ spinose: the wings yellow at their extreme base, the tegulæ testaceous: the abdomen is elongate-ovate and subpetiolate, the apical segment is coarsely punctured, and the extreme apex testaceous.

Hab.—Newcastle.

Prosopis cornutus.

Hylæus cornutus, *Smith, Zool.* vi. 2204, 5, ♀. *Kirby, MSS.*
Hylæus plantaris, *Smith, Zool.* vi. 2205, 6, ♂.

These insects have been recently reared from the same nest, and therefore constitute but one species.

Halictus fasciatus.

Halictus fasciatus, *Nyland. Act. Soc. Sc. Fenn.* 275.

Female (length 3½ lines). Entirely of a brassy green, except the lower part of the face which is black; the clypeus is smooth and shining, and has a few scattered punctures: the entire insect is closely and delicately punctate; the head and thorax have a thin scattered white pubescence; and the posterior margins of the abdomi-

nal segments have uninterrupted fasciæ of the same colour: at the apex is a little bright yellow pubescence, that on the legs is of the same colour; the apical joints of the tarsi are rufo-piceous.

The male has not hitherto been captured in this country: according to Nylander it closely resembles the male of *Halictus flavipes*, but the antennæ beneath are entirely yellow; in *flavipes* the apical joints are more or less black beneath.

It is very probable that this species is the true "tumulorum" of Linneus; the authentic specimens in the Linnean Cabinet, have the antennæ entirely yellow beneath: if so, the "tumulorum" of this catalogue must be changed to *flavipes*.

ANDRENA APICATUS, *Smith, Zool.* v. 1748, 38, ♀.

Male (length 4 lines). Black: the face covered with long pubescence, on the clypeus it is white, between which and the base of the antennæ it is sooty black; at the extreme vertex is a fringe of pale hair, the same is also thinly scattered on the disk of the thorax, at the sides of the metathorax it is again sooty: the antennæ are about the length of the head and thorax; the mandibles are arcuate, and have at their base a large obtuse tooth: the legs nigro-piceous, their pubescence pale: abdomen; the basal segment has a little thin, long, pale pubescence; the margins of the segments nigro-piceous, and the extreme apex clothed with bright yellow pubescence.

HAB.—Bristol.

ANDRENA SIMILLIMA, n. s. B.M.

Female (length 5 lines). Black: the pubescence on the face pale fulvous, that on the vertex bright fulvous; one or two of the apical joints of the antennæ beneath piceous; the clypeus coarsely punctured: the disk of the thorax clothed with bright fulvous pubescence, becoming paler at the sides of the metathorax: the wings hyaline, their apical margins slightly clouded: the femora beneath are fringed with very pale pubescence; the floccus on the posterior coxæ and trochanters is white, the pubescence which clothes the

legs above is fuscous, that on all the basal joints of the tarsi, beneath, is ferruginous, the calcaria are pale testaceous, and the apical joints of the tarsi rufo-ferruginous: the abdomen oblong-ovate, at the base is a little fulvous pubescence, and the second, third, and fourth segments have a broad fringe of long, pale fulvous pubescence; the apical fimbria clothes the remaining segments, and is dense, long, and black.

Male (length 4 lines). Black: the face clothed with pale pubescence, becoming white on the clypeus, which is deeply emarginate in front, and produced on each side into a sharp tooth; the labium is bidentate; the mandibles arcuate, ferruginous at their tips; the antennæ not quite so long as the head and thorax: the thorax clothed above with thin fulvous pubescence, and beneath with white: the tegulæ testaceous; the wings hyaline, their tips slightly clouded: the basal joints of all the tarsi are clothed beneath with ferruginous pubescence; the calcaria and apical joints of the tarsi rufo-testaceous. Abdomen ovate-lanceolate; the margins of the segments have a very thin marginal fascia of pale pubescence; the apex fulvous.

This species is intermediate between *A. rufitarsis* and *A. nigriceps*. The female recently captured at Sandown Bay, Isle of Wight; and subsequently both sexes at Folkstone, Kent.

Osmia parietina.

Male (length 3—3½ lines). Head and thorax brassy-black, the face below the antennæ covered with long white pubescence; on the vertex it is thin and ferruginous: the thorax above clothed with ferruginous pubescence; beneath, and also on the legs it is hoary: the antennæ as long as the head and thorax: abdomen black, finely punctured, at the base a thin fringe of ferruginous pubescence, on the rest of the abdomen it is thin, erect, and black; the apex is slightly emarginate; beneath, the margin of the second segment is sinuate, the third is nearly hidden beneath the second, and deeply notched in the centre; the margin of the incisure fringed with ferruginous hairs; the fourth is produced, and sinuate in the centre, the whole finely punctured.

Osmia fusciformis.

Osmia fusciformis, *Latr. Encyl. Méth.* 8, 595.

Female (length 4½ lines). Black: head and thorax closely punctured, the anterior margin of the clypeus entire, the face sparingly clothed with black hairs; those on the occiput are rufo-fulvous, as is also the pubescence on the disk of the thorax and on the two basal segments of the abdomen; the pubescence on the rest of the segments black; the entire pubescence of the legs, and also that on the abdomen beneath black: the pubescence on the basal joint of the posterior tarsi within, slightly reddish; the tips of the wings are slightly clouded.

The male has not hitherto been captured in this country: the following is its description by Latreille:—

The antennæ of the male are not much longer than those of the female; the down of the head, and all the upper part of the body rufous; the hairs of the clypeus are paler, and the intermediate rings of the abdomen are less hairy at their base; the hairs on the lower sides of the head and of the legs, the two first especially, are gray; the sixth segment of the abdomen is rounded on the sides, and slightly notched in the middle of the apical margin; the seventh has a deep cut, which makes it appear bidentate.

Hab.—Birch Wood, Kent.

Bombus arcticus. B. M.

Bombus arcticus, *Dahlb. Bomb. Scand.* 50, 32. *Zett. Ins. Lapp.* 476, 13. *Nyland. Notis. Faun. Flo. Fenn.* 288, 2.

Female (length 8—9 lines). The face clothed with black pubescence, a fringe of rufo-fulvous on the margin of the vertex: the disk of the thorax clothed with rufo-fulvous pubescence, beneath with black: that on the legs is also black, except the inner face of the basal joint of the posterior tarsi, which is ferruginous: the abdomen has a little black pubescence at the base, particularly at the sides, the rest is of a reddish yellow above, but beneath it is black.

Hab.—Lerwick, Shetland. Common in Mr. J. A. White's Garden. Sandlodge, Shetland. Common in Mr. Bruce's Garden, &c. Captured by Mr. Adam White, August, 1851.

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Nomada, *add* 86.

Edward Newman, Printer, 9, Devonshire Street, Bishopsgate.

LIST

OF THE SPECIMENS OF

BRITISH ANIMALS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

PART VII.

MOLLUSCA ACEPHALA AND BRACHIOPODA.

LONDON:
PRINTED BY ORDER OF THE TRUSTEES.
1851.

PRINTED BY RICHARD TAYLOR,
RED LION COURT, FLEET STREET.

INTRODUCTION.

THE principal object of the present Catalogue has been, to give a complete list of the species of Mollusca which have been recorded as found in Great Britain, indicating at the same time the peculiarities of the specimens in the Museum Collection, as regards state, habitation, condition, and the source from whence they have been derived.

The synonyms have been given to the various divisions of the class, and to the genera and subgenera and the species, and a reference is made to the works in which they have been characterized and described; and some attention has been paid to the date at which the works appeared, to show the priority of publication of the various names and groups.

It has been considered desirable, wherever it was possible, to use the first name which has been given to the various classes, orders, genera, and species. As far as regards the specific name, there is comparatively little difficulty in the application of the simple rule of priority; but ordinal, and especially generic names have been used by different authors in senses so widely different, and the groups which they are intended to designate have been so variously extended and restricted, that it is no easy matter to determine, where

several names have been used, which of them ought to be preferred. In all such cases, if it is possible to understand by any means what was intended by the most ancient author, his name has been used, on the universal principle of treating each Naturalist as we ourselves would wish to be treated if we were in his position. As every original observer will constantly make use of characters which others may have overlooked, or not thought of so much importance as further research has shown to belong to them; so when a generic name is used, it will of necessity be often employed in a different sense, or with a more restricted, or very rarely a more extended, meaning than its original proposer applied to it: if this were not allowed, many names must be added to the list of genera, which is, as this work proves, already so overburdened with synonyma.

At the end of each species, after the general habitat, is added an enumeration stating the state, age and habitat, and other peculiarities of the specimens of the kind in the Museum Collection.

JOHN EDWARD GRAY.

LIST OF BRITISH MOLLUSCA.

1. CONCHIFERA.

Mollusca subsilientia, *Poli, Test. Sicil.* 1791.
Moll. acephales Conchylifères, *Lamk. Syst.* 136 (1801).
Conchifera, *Lamk. Hist.* v. 411, ed. 2. v. 1; *Fleming, Phil. Zool.*; *Gray, Syn. B.M.* 1840, 1842, 72; *Proc. Zool. Soc.* 1848, 183.
Acephala testacea, part., *Cuvier, Tabl. Elem.* 1789; *Anat. Comp.* 1800; *Dict. Sci. Nat.* i. 131, 1804; *Fleming, B. A.* 225.
Acephalés Testacés, part., *Lamk. Extr. du Cour.* 104 (1812).
Acephalæa conchifera, *Lamk. Syst.* 105, 1801; *Phil. Zool.* 317, 1809.
Conchophora, *Gray, Med. Repos.* 1821, 236.
Acephalæa, *Lamk. Extr. du Cour.* 1812; *Desh. E.M.* iii. 553.
Lamellibranchiata, *Blainv.*
Acephalia Bivalvia, *Rafin. Anal. Nat.* 1815, 146.
Acephales Testacées Lamellibranches, *Rang, Man. Mol.* 272.
Acephala elaterobranchia, *Menke, Syn.* 97, 1830; *Alton, Verz. Conch.* 12, 1839.
Gualtierii (*Testacea*) Bivalviæ (*Conchæ*), *Scopoli, Introd. Hist. Nat.* 386, 396, 1777.
Bivalves, *Megerle, Berl. Mag.* 1811.
Endocephala, part., *Latr. Fam. Nat.* 203, 1825.
Pelecypoda, *Goldfuss, Handb. Zool.* i. 599.
Therozoa acephala, *Eichw. Zool. Spec.* i. 277.
Acephalophora, part., *Blainv. Prod.* 1814; *Dict. Sci. Nat.* xxxii. *Malac.* 508.
Acephalæoda, *Fischer.*
Elatobranchia, *Menke, Syn.* ed. 2. 97, 1830.
Elatobranchiata, *Menke, Syn.* 57, 1828.
Conchifera (Orthoconchæ et Pleuroconchæ), *D'Orb. Pal. Fran. Terr. Cret.* iii. 1843.
Conchæ, *Leach in Ross Voy. Baffin's Bay*, ii. 174, 1819.

Bivalvia, *Bonnan. Ricreaz.* 1681; *Major, Doctr. Test.* t. 10, 1675; *Lister, Syn.* 1686; *Hebenstreit. Diss.* 1728.
Dithyra, *Aristotle*; *Turton, Bivalves*, 1822; *Swainson, Malac.* 253, 361, 1840.
Ditoma, *Tournef. in Gualt. Index*, 1742.
Conchæ (bivalves and multivalves), *Adanson, Senegal*, 195, 260, 1757; *Linn. Syst. Nat.* ed. 11. 645, 1758; ed. 12. 1073, 1767.
Bivalvia (Asiphonida et Siphonida), *Flem. B. A.* 225, 1828.
Concha, *Breyn, Dissert. Polyth.* 7, 1732; *Linn. S. Nat.* ed. 2, ed. 6. 75, not *Klein.*
Diconchæ, *Klein, Ostrac.* 113, 120, 1753.

Order I. PHYLLOPODA.

Phyllopoda, *Gray, Med. Repos.* 1821, 237; *Syn. B. M.* 1840, 1842, 74, 91; *Proc. Zool. Soc.* 1848, 183.
Acephales lamellipedes, *Lamk. Cour.* 106, 1812.
Conchifera (dimyaria lamellipedia), *Lamk. Hist.*
Conch. lamellipedes, *Lamk. Hist.*
Cardiacés, *Cuvier, R. A.*; *Ferussac, Prod.* 39.
Cardia, *Eichw. Zool. Spec.* i. 280.
Cardiacea, *Menke, Syn.* 109.
Lamellipedes, *Brown, Conch. Text-Book*, ed. 6.136,1833; *Hanley, Ill. Cat.* i. 89, 1844.
Dimiaria, part., *Lamk. Ann. Mus.* x. 389, 1807; *Extr. du Cour.* 1812; *Swains. Elem. Conch.* 1835.
Bimusculosa, part., *Gould.*

Fam. 1. Veneridæ.

Veneridæ (Les Veneridées), *Leach, Jour. Phys.* lxxxviii. 465, 1819; *Gray, Syn. B. M.* 1840, 1842, 74; *Proc. Zool. Soc.* 1848, 183; *Flem. B. A.* 404, 1828.
Callista or Callistoderma, and Arthemis or Arthemiderma, *Poli, Test. Sicil.* i. 98, 1791.
Les Conques, part. et Les Lithophages, part., *Lamk. Cour.* 107, 1812; *Hist.* v. 501, 556, ed. 2. vi. 263.
Conchacés, § 2, part., *Rang, Man. Mol.* 806.
Veneres (Les Venus), *Ferussac, Prod.* 44, 1821.
Veneracea, *Menke, Syn.* 114, 1830; *Alton, Verz. Conch.* 12, 1839.
Lithophaga, *Menke, Syn.* 117.
Veneraceæ, *Menke, Syn.* 69, 1828; *Hinds, Zool. Sulph.* 65.
Venerina, *Macgilliv. Moll. Aberd.* 210, 1843; *Milne-Edw. Elem. Zool.* 1841.
Venericardia, *F. Braun, Verz. Bayr. Petr.* 58, 1840.

Conchæ marinæ, part., *Lamk.* vi. 263.
Veneriadæ, part., *Leach, MSS.* 1819; *Ann. & Mag. N. H.* xx. 272.
Cythereadæ, *D'Orb.*
Venerides, *Latr. Fam. Nat.* 218, 1825.
Venerinæ, *Swains. Malac.* 372, 1840.
Cycladina, part., *Latr. Fam. Nat.* 1825.

a. MERETRICINA.

Meretricina, *Gray, Proc. Zool. Soc.* 1847.
Meretrix, *Lamk. Syst. A. s. V.*
Cythereæ, *Lamk. Hist. A. s. V.*

1. DOSINIA.

Dosinia (Dosin), *Scopoli, Introd. N. H.* 339, 1777; *Herrmannsen, Ind.* 408.
Chama (Dosin), *Adanson, Voy. Seneg.*
Artemis and Artemiderma, *Poli, Moll. Sicil.* i. 98, 1791; *Blainv. Dict. Sci. Nat.* x. 216.
Arthemis, *Blainv. Malac.* 556; *Desh.*; *Philippi, Moll. Sicil.*
Orbiculus, *Megerle, Entw.* 58, 1811.
Exoleta, *Brown, Text-Book,* 145, 1827.
Assa, "*Leach, MSS.*; *Defrance in Basterot, Bord.* 9, 1825."
Taras, *Risso, Eur. Merid.* iv. 1826.
Venus β, *Schum. N. Syst.* 1817.
Circompholos, *Klein, Conch.*
Arctoë (Arcton), *Risso, Eur. Merid.* iv. 362, 1826.
Asa, *Leach,* 1819. *Ann. & Mag. N. H.* xx. 1847, 272.

1. DOSINIA EXOLETA.

Venus exoleta, *Linn. S. N.* 1134; *Chemn.* vii. 18. t. 38. f. 404; *Penn. B. Z.* ed. 4. iv. 81. t. 54. f. 49 *a*, t. 56. f. 49; *Donov. B. S.* ii. t. 42. f. 1; *Wood, Linn. Trans.* vi. t. 17. f. 9, 10; *Pulteney Hutchins' Hist. Dorset,* 34; *Mont. T. B.* 116; *M. & R. Linn. Trans.* viii. 87. t. 3. f. 1; *Dorset Cat.* 35. t. 8. f. 5; *Turton, Conch. Dict.* 241; *Born. Mus. Cæs.* t. 5. f. 9; *Poli, Test. Sic.* t. 21. f. 9–11; *Dillw. Rec. Shells,* i. 195; *Ind. Test.* t. 8. f. 83; *Blainv. Man. Malac.* t. 74. f. 2.
Artemis exoleta, *Forbes, M. G. S.* i. 414. 47; *Brown, Ill. C. G. B.* 92. t. 36. f. 1–3; *Forbes & Hanley, Brit. Moll.* i. 428. t. 23. f. 3–4.
Arthemis exoleta, *Desh. Elem. Conch.* t. 20. f. 9, 10, 11; *Philippi, Abbild. und Bes.* i. 171; *Gray, Analyst*; *Agassiz*; *Lovén,* 39, 283; *Brown, Ill. C.* ed. 2. 92.

Cytherea exoleta, *Lamk. Hist.* 2nd ed. vi. 314; *Turt. Brit. Biv.* 162. t. 8. f. 7; *Flem. Brit. An.* 445; *Macgilliv. Moll. Aberd.* 262; *Thorpe, Brit. Mar. Conch.* 84; *Philippi, Moll. Sic.* i. 41, ii. 32; *Hanley, Rec. Shells*, 102.
Asa exoleta, *Leach*, 1819; *Ann. & Mag. N. H.* xx. 1847. 272.
Arthemis pudica, Arthemiderma exoleta, *Poli*, ii. 252, 258.
Pectunculus capillaceus, *Da Costa*, 187. t. 12. f. 5, 5.
Exoleta orbiculata, *Brown, Ill. C.* t. 20. f. 2, 3, 19, 20.
Exoleta radula, *Brown, Ill. C.* t. 20. f. 1.
Cytherea sinuata, *Turton, Bivalves*, t. 10. f. 10, 11.
Lister, t. 291. f. 127. t. 292. f. 128.
a, b. Scotland.
c—e. Britain.
f. Falmouth harbour. Presented by W. P. Cocks, Esq.
g. Dublin Bay. Presented by T. Warren, Esq.
h—t. Britain.
u—y. Bantry Island.
z. Bantry Bay. Presented by Miss Warne.
a a—e e. Aberdour, Fifeshire. Presented by W. Baird, M.D.
f f, var. Ditto. Ditto.
g g, h h, var. Britain.

2. DOSINIA LINCTA.

Venus lincta, *Solander, Mus. Portland*; *Pulteney Hutchins' Hist. Dorset*, 34.
Cytherea lincta, *Lamk.* ed. 2. vi. 315; *Macgilliv. Moll. Aberd.* 262; *Flem. B. A.* 445; *Hanley, Rec. Shells*, i. 102.
Artemis lincta, *Forbes, M. G. S.* 414–418; *Forbes & Hanley, Brit. Moll.* i. 431. t. 28. f. 5, 6.
Exoleta lincta, *Brown, Ill. C.* t. 20. f. 4.
Arthemis lincta, *Gray, Analyst*; *Agassiz*; *Lovén, E. M.* 39; *Brown, Ill. C.* ed. 2. 92. t. 36. f. 2, 4; *Desh. Elem. Conch.* t. 20. f. 12, 13; *Philippi, Abbild. und Bes.* i. 171 (not Cyth. lincta of *Moll. Sic.*).
Venus sinuata, *Gmel. S. N.* 3285; *Turt. Conch. Dict.* 242; (=*List. Conch.* t. 289. f. 125, t. 290. f. 126.)
Cytherea sinuata, *Turt. Biv.* 163. t. 10. f. 10, 11 (not var. nor fig.).
Venus lupina, *Linn. S. N.* ed. 10. 689; *Poli*, t. 21. f. 8.
Venus lactea, *Don. B. S.* t. 149; *Mont. T. B. Supp.* 46.
V. exoleta, *Penn. B. Z.* ed. 1812. iv. 209. t. 59. f. 1, ed. 4. iv. 81. t. 56. f. 49.
V. exoleta, jun., *Mont. T. B.* 117.
V. exoleta, var. β, *M. & R. Linn. Trans.* viii. 87. t. 3. f. 2; *Dorset Cat.* 35. t. 1. f. 13.
V. lentiformis, *Sow. Min. Conch.* f. 203.

Asa lincta, *Leach*, 1819; *Ann. & Mag. N. H.* xx. 272.

VAR. Artemis compta, *Lovén, Moll. Scand.*; *Forbes & Hanley, B. M.* 433.

a—c. Scotland.
d. Dublin Bay. Presented by T. Warren, Esq.
e, f. Plymouth Sound.
g—o. Devonshire.

2. MYSIA.

Mysia (undata), *Leach*, 1818; *Ann. & Mag. N.H.* xx. 1847, 272; *King, Ann. N. H.* xviii. 242.
Lucinopsis, *Forbes & Hanley, Brit. Moll.* i. 435, 1848.
Venus, part. *Pennant, Brit. Zool.*
Lucina, part. *Turton, Brit. Bivalves*, 115.
Cytherea, part. *Macgilliv. Malac. Aberd.* 263.
Artemis, part. *Alder, Cat. North. Moll.* 84; *Recluz.*
Dosinia (sect.), *Gray, Proc. Zool. Soc.* 1847, 183.

1. MYSIA UNDATA.

Venus undata, *Penn. B. Z.* ed. 4. iv. 81. t. 55. f. 51; *Wood, Linn. Trans.* vi. t. 17. f. 17, 18; *Turt. Conch. Dict.* 241. f. 54; *Mont. T. B.* 117–574; *Donov. B. S.* iv. t. 121; *Linn. Trans.* viii. 86; *Philippi, Sicil.* ii. 34; *Flem. Brit. An.* 448; *Dillw. Rec. Shells*, i. 197; *Ind. Test.* t. 8. f. 87; *Lovén*, 40, 290.
Lucina undata, *Turt. Brit. Biv.* 115; *Thorpe, Brit. Mar. Conch.* 73; *Brown, Ill. Conch. G. B.* 98. t. 39. f. 1, 2; *Lamk. H.* vi. 229; *Hanley, Rec. Shells*, 76.
V. incompta, *Philippi, Sicil.* i. 44. t. 4. f. 9.
Tellina caduca, *Scacchi, Not.* 15. t. 1. f. 5.
Lucina caduca, *Scacchi, Cat.* 5.
Cytherea undata, *Macgilliv. Moll. Aberd.* 263.
Artemis undata, *Recluz*; *Thompson, Rep. Brit. Assoc.* 1843, 267; *Alder, Cat. North. and Durh. Moll.* 84.
Mysia undata, *Leach*, 1818; *Ann. & Mag. N. H.* xx. 1847, 272; *King, Ann. N. H.* xviii. 242.
Lucinopsis undata, *Forbes & Hanley, Brit. Moll.* i. 435. t. 28. f. 1, 2. t. M. f. 2, animal.

a—e. Tenby.
f—j. Dublin Bay. Presented by T. Warren, Esq.

Monstrosity, fide *Hanley, Brit. Moll.* 435.
Venus sinuosa, *Penn. Brit. Moll.* iv. 81. t. 55. f. 51 *a*; *Mont. Test. Brit.* 120; *Turton, Bivalves*, 154. t. 10. f. 9?; *Donovan, Brit. Shells*, t. 42. f. 2? (not *Lamk.* n. 72).
Lucina flexuosa (part.), *Desh.*; *Lamk. Hist.*; *Hanley, Brit. Mar. Moll., from Donovan.*

3. Dione.

Dione, *Gray, Proc. Zool. Soc.* 1847, 183.
Venus (Dione), *Megerle*, 1811; *Schum. N. Syst.* 1817.
Cytherea, part, *Lamk. Hist. A. s. V.* 1818; *Swainson, Malac.*
Chione, *Gray, in Analyst*, 1838; not *Megerle*, 1811.
Callista and Callistoderma, part, *Poli, Test. Sicil.* 1795.
Pectunculus, sp., *Da Costa, Brit. Shells*, 184.

1. Dione glaber.

Venus Chione, *Linn. S. N.* 1131=(*Lister, Conch.* t. 269. f. 105); *Don. B. S.* i. t. 17; *Wood, Linn. Trans.* vi. t. 17. f. 3, 4; *Mont. T. B.* 115; *Linn. Trans.* viii. 84; *Turton, Conch. Dict.* 239; *Chemn. Conch. Cab.* vi. 344. t. 32. f. 343; *Poli, Test. Sic.* t. 20. f. 1, 2; *Dillw. Rec. Shells*, i. 176; *Ind. Test.* t. 7. f. 44; *Pulteney Hutchins' Dorset*, 33; *Dorset Cat.* 35. t. 6. f. 7; *Blainv. Man. Malac.* t. 74. f. 5; *Penn. B. Z.* ed. 1812. iv. 206, t. 54. f. 2.
Cytherea Chione, *Lamk. Hist.* ed. 2. vi. 305; *Turt. Brit. Biv.* 160. t. 8. f. 11; *Flem. Brit. An.* 444; *Thorpe, Brit. Mar. Conch.* 83; *Brown, Ill. Conch. G. B.* 91. t. 37. f. 2; *Desh. Elem. Conch.* t. 19. f. 4, 5; *Philippi, Moll. Sic.* i. 40, ii. 31; *Hanley, Recent Shells*, 98. t. 7. f. 44; *Forbes & Hanley, Brit. Moll.* i. 396. t. 27. t. L. f. 8, animal.
Pectunculus glaber, *Da Costa, B. C.* 184. t. 14. f. 7.
Cythérée fauve, *Chenu, Traité élément.* t. 3. f. 10.
Callista coccinea=Callistoderma chione, *Poli, Sicil.* ii. 252, 258.
Cytherea nitidula (young), *Lamk. Hist.* 2nd ed. vi. 305 (fide *Recluz & Philippi*).
Regenfuss, *Choix, Coq.* t. 8. f. 17; *Enc. Méth. Vers*, t. 266. f. 1.
Queens, *Cornwall.*
a—f. Britain.
g, h. Devonshire (Exmouth).
i. Falmouth. Presented by W. P. Cocks, Esq.
j—n, jun. Britain.

4. Circe.

Circe (scripta), *Schum. N. Syst.* 152, 1817; *Gray, in Analyst*, 1838, *P. Z. S.* 1847, 183.
Cytherea, sp., *Lamk. Hist.*

1. Circe minima.

Venus minima, *Mont. T. B.* 121. t. 3. f. 3; *Linn. Trans.* viii. 81; *Turt. Conch. Dict.* 236; *Dillw. Rec. Shells*, i. 166; *Ind. Test.* t. 7. f. 17; *Penn. B. Z.* ed. 1812. iv. 203. no. 7.
Cyprina minima, *Turt. Biv.* 137; *Flem. B. A.* 444; *Thorpe, M. Conch.* 82. f. 102; *Hanley, Rec. Shells*, i. 95.

Crassina minima, *Gray, Ann. Phil.* 1825.
Cyth. minuta, *Brown, Ill. Conch. G. B.* 92. t. 37. f. 4.
Circe minima, *Forbes & Hanley, Brit. Moll.* i. 446. t. 26. f. 4, 5, 6, 8, and t. M. f. 3, animal.
Venus triangularis, *Mont. T. B.* 577. t. 17. f. 3; *Linn. Trans.* viii. 83; *Turt. Conch. Dict.* 238; *Ind. Test.* t. 7. f. 35.
Cyprina triangularis, *Turt. Biv.* 136. t. 11. f. 19, 20; *Flem. B. A.* 444; *Thorpe, Brit. Mar. Conch.* 82; *Hanley, Rec. Shells*, i. 95.
Cytherea triangularis, *Macgilliv. Moll. Aberd.* 268.
Cyth. apicalis, *Philippi, Moll. Sic.* i. 40. t. 4. f. 5.
Circe triangularis, *King, Ann. Nat. Hist.* xv. 112.
Cyth. Cyrilli, *Philippi, Moll. Sic.*. ii. 32; *Hanley, Rec. Shells, Supp.* t. 15. f. 26.
Cyth. minima, *Brown, Ill. Conch. G. B.* 92. t. 37. f. 3.
a. (Venus triangularis.) Britain. Mus. Montagu.
b. (Venus minima.) Ditto. Ditto.
c, d. Milford Haven. Presented by R. M'Andrew, Esq.
e—h. Oban.
i, j. Lochfyne. Presented by Rev. D. Landsborough.
k—p. Scotland.
q—t. Inverary.
u—w. Lamlash Bay. From Mr. Bean's Collection.

5. VENUS.

Venus (verrucosa), *Linn. S. N.* i. 1128; *Lamk. Syst.* 122, 1801.
Venus (puerpera), *Swainson, Malac.* 372, 1840.
Dosina, *Gray, Analyst*, 1838; *in Yates, New Zealand*; *in Dieffenbach, New Zealand*, 1843; *in Syn. B. M.* 1842; *Sow. Man.* ed. 2. 141, 1842; *Morris, Brit. Foss.* 87; *Rev. Zool.* 1844, 405.
Callista and Callistoderma, part., *Poli, Test. Sicil.* 1795.
Clausina, *Brown, Conch. Text-Book*, 1827, not *Jeffreys.*
Venus, sp., *Swainson, Malac.*

1. VENUS VERRUCOSA.

Venus verrucosa, *Linn. S. N.* ed. 12, 1130; *Pulteney Hutchins' Hist. Dorset*, 32; *Mont. Test. Brit.* 112; *Linn. Trans.* viii. 78; *Chemn. Conch. Cab.* vi. 303. t. 29. f. 299, 300; *Wood, Linn. Trans.* vi. t. 17. f. 5, 6; *Donov. B. S.* ii. t. 44; *Forbes, M. G. S.* i. 415. 55; *Dorset Cat.* 34. t. 8. f. 1; *Lamk. Hist.* ed. 2. vi. 339, not vars.; *Poli, Test. Sic.* t. 21. f. 18, 19; *Desh. Elem. Conch.* t. 21. f. 1, 2; *Born, Mus. Cæs.* t. 4. f. 7; *Turton, Conch. Dict.* 231; *Turt. Brit. Biv.* 140; *Flem. Brit. An.* 446; *Thorpe, Brit. Mar. Conch.* 85; *Dillw. Rec. Shells*, i. 163; *Ind. Testac.* t. 7. f. 12; *Crouch, Introd. Conch.* t. 7. f. 6; *Hanley, Rec. Shells*, 110; *Forbes & Hanley; Brit. Moll.* i. 401. t. 24. f. 3; *Philippi, Moll. Sic.* i. 43, ii. 34; *Sow. Conch. Man.* f. 119 *a*; *Penn. B. Z.* ed. 1812. iv. 201. t. 57. f. 1.

Clausina verrucosa, *Brown, Ill. C.* t. 20. f. 16. 2nd ed. 90. t. 36. f. 16*.

V. erycina, *Penn. B. Zool.* ed. 4. iv. 80. t. 54. f. 48; *Borlase, Cornw.* 278. t. 28. f. 32.

YOUNG. *Lister, Hist. Conch.* t. 284. f. 122.

Pectunculus strigosus, *Da Costa, Brit. Conch.* 185. t. 12. f. 1.

Callista gemella, Callistoderma verrucosa, *Poli*, ii. 252, 258.

V. Lemanii, *Payr. Moll. Corse*, 53. t. 1. f. 29, 30, 31 (fide *Desh. & Recluz*, from types).

Dosina verrucosa, *Gray, Analyst*, 1838.

Venus cancellata (young), *Donov. Brit. Shells*, iv. t. 115? (fide *Mont.*); *Mont. Test. Brit.* 574; *Turton, Brit. Biv.* 144. t. 10. f. 3; *Flem. Brit. An.* 447; *Thorpe, Brit. Mar. Conch.* 87.

a—h. Britain.
i—o. Ditto, dark-coloured.
p. Falmouth. Presented by W. P. Cocks, Esq.
q—s. Bantry Bay.
t, jun. Ditto. Presented by Miss Warne.

2. VENUS CASINA.

Venus casina, *Linn. S. N.* 1130; *Chemn. Conch. Cab.* vi. 306. t. 29. f. 301, 302; *M. & R. Linn. Trans.* viii. 79. t. 2. f. 1; *Mont. T. B. Supp.* 47; *Turt. Conch. Dict.* 232; *Brit. Biv.* 141. t. 9. f. 1; *Lovén, I. M. Suec.* 39. 286; *Dillw. Rec. Shells*, i. 165; *Forbes, M. G. S.* i. 415. 51; *Flem. Brit. An.* 446; *Macgilliv. Moll. Aberd.* 264; *Thorpe, Brit. Mar. Conch.* 86; *Lamk. Hist.* 2nd ed. vi. 340; *Ind. Test.* t. 7. f. 14; *Hanley, Rec. Shells*, 111; *Forbes & Hanley, Brit. Moll.* i. 405. t. 24. f. 1, 5, 6; *Penn. B. Z.* ed. 1812. iv. 202. t. 57. f. 2.

Clausina casina, *Brown, Ill. C.* t. 20. f. 15, 2nd ed. 90. t. 36. f. 15*.

Venus lactea, *Donov. B. S.* v. t. 149; *Mont. T. B. Supp.* 46; *Linn. Trans.* viii. 79.

Pectunculus membranaceus, *Da Costa, Brit. Conch.* 193. t. 13. f. 4, left hand.

Venus reflexa, var., *Mont. Test. Brit. Supp.* 41 & 168; *Mem. Wern. Soc.* i. t. 8. f. 1; *Turton, Conch. Dict.* 233; *Brit. Biv.* 142. t. 10. f. 1, 2; *Flem. Brit. An.* 446; *Macgilliv. Moll. Aberd.* 264; *Hanley, Rec. Shells*, 110; *Supp.* t. 16. f. 10.

V. verrucosa, worn, *Mont. T. B.* 112.

Dosina casina, *Gray, Analyst*, 1838.

YOUNG.

Venus reflexa, *Mont. T. B. Supp.* 40 & 168; *Laskey, Wern. Trans.* i. 384. t. 8. f. 1; *Turt. Biv.* 142. t. 10. f. 1, 2.

Cytherea reflexa, *Couch, Cornish Fauna*, 2. 26.

Clausina reflexa, *Brown, Ill. C.* t. 19. f. 12, 13?

Venus Discina, *Lamk. H.* vi. 338. 6; *Philippi, Sic.* 42; *Blainv. Man.* t. 75. f. 6; *Thorpe (Hanley), Brit. Mar. Conch.* 86.

V. Rusterucci, *Payraud. Moll. Cors.* f. 26, 27, 28.
Venus Erycina, *Penn. Brit. Zool.* ed. 4. iv. t. 54. f. 48 *a*, worn.
a—*c*. Britain.
d—*j*. Plymouth.
k—*p*. Oban.
q, monstrosity. Britain.

b. TAPESINA.

Venusina, *Gray, Proc. Zool. Soc.* 1847, 183.
Venus, sp., *Lamk. Hist. A. s. V.*

6. CYPRINA.

Cyprina (Islandica), *Lamk. Hist. A. s. V.* v. 556, 1818; ed. 2. vi. 287.
Cyprine, *Lamk. Extr. du Cour.* 1812.
Arctica (Islandica), *Schum. N. Syst.* 145, 1817.
Cytherea, sp., *Lamk.*
Pectunculus, sp., *Da Costa, Brit. Shells.*

1. CYPRINA ISLANDICA.

Venus Islandica, *Linn. S. N.* 1131 (not *O. Fabr. Faun. Græn.* 411); *Chemn. Conch. Cab.* vi. 340. t. 32. f. 341, 342; *Pulteney Hutchins' Hist. Dors.* 33; *Don. B. S.* iii. t. 77; *Mont. T. B.* 114; *Linn. Trans.* viii. 83; *Dorset Cat.* 35. t. 6. f. 5; *Lovén, I. M.* 38. 278; *Turt. Conch. Dict.* 238; *Müll. Z. Dan.* t. 28; *Dillw. Rec. Shells*, i. 176; *Ind. Test.* t. 7. f. 41; *Penn. B. Z.* ed. 1812. iv. 205. t. 56.
Cyprina Islandica, *Lamk. Hist.* ed. 2. vi. 290; *Turt. Bir.* 135; *Flem. Brit. An.* 443; *Forbes, M. G. S.* i. 413. 44; *Forbes & Hanley, Brit. Moll.* i. 441. t. 29. t. M. f. 4, animal; *Crouch, Introd. Conch.* t. 7. f. 2; *Blainv. Man. Malac.* t. 70 *bis*, f. 5 *Macgilliv. Moll. Aberd.* 257; *Thorpe, Brit. Mar. Conch.* 81; *Desh. Elem. Conch.* t. 18. f. 8–10; *Gould, Invert. Mass.* 82; *Hanley, Rec. Shells*, 1–95.
C. maxima, *S. Wood.*
C. æqualis, *Sow. M. C.*
C. vulgaris, *G. Sowerby, Gen. Shells*; *Brown, Ill. Conch. G. B.* 93. t. 37. f. 1, t. 38. f. 11; *Sow. Conch. Man.* f. 116; *Reeve, Conch. Syst.* t. 65.
V. mercenaria, *Linn. F. Suec.*; *Müller, Z. D.*; *Penn. B. Z.* iv. 81. t. 53. f. 47 (not *Linn. S. N.*).
Pectunculus crassus, *Da Costa*, 183. t. 14. f. 5.
Cyprine d'Islande, *Chenu, Traité élém.* 68. f. 243 (hinge).
a, *b*. Britain.
c. Falmouth. Presented by W. P. Cocks, Esq.
d—*h*. Britain.
i—*o*, jun. Britain.
p—*w*, jun. Inverary.

7. CHIONE.

Chione (Dysera), *Megerle, Entwurf.* 51, 1811; *Gray, P. Z. Soc.* 1847, 183; not *Blainv. Dict. Sci. Nat.* viii. 588, nor *Gray, Analyst,* 1838.
Antigone (cancellata), *Schum. N. Syst.* 154, 1817.
Venus, sp., *Lamk. Hist. A. s. V.* 1818.
Callista and Callistoderma, part., *Poli, Test. Sicil.*
Ortygia (gallina), *Leach, MSS.* 1819; *Brown, Conch. G. B.* 143, 1827 (not *Boie*).
Timoclea (ovata), *Leach, MSS.* 1819; *Brown, Ill. Conch. G. B.* t. 19, 1827.

* ORTYGIA.

1. CHIONE GALLINA.

Venus gallina, *Linn. F. S.* (not *Syst. Nat.*); *Chemn.* f. 308; *Wood, Linn. Trans.* vi. t. 17. f. 7, 8; *Matt. & R. Linn. Trans.* viii. 52; *Turton, Conch. Dict.* 234. f. 65; *Brit. Biv.* 149. t. 9. f. 2; *Forbes, M. G. S.* i. 415. 56; *Poli,* t. 21. f. 5, 6, 7; *Dorset Cat.* 35. t. 8. f. 2; *Flem. Brit. An.* 448; *Macgilliv. Moll. Aberd.* 265; *Thorpe, Brit. Mar. Conch.* 89; *Alder, North & Durh. Moll.* 85; *Dillw. Rec. Shells,* 168; *Lamk. Hist.* 2nd ed. vi. 347 (part.); *Ind. Test.* t. 7. f. 23; *Hanley, Rec. Shells,* 115; *Penn. B. Z.* ed. 1812. iv. 205. t. 59. f. 2.
Ortygia gallina, *Leach, MSS.*; *Brown, Ill. C.* t. 20. f. 11, 2nd ed. 89. t. 36. f. 11.
O. costata, *Brown, Ill. C.* t. 20. f. 13.
Pectunculus striatulus, *Da Costa, B. S.* 191. t. 12. f. 2.
Venus striatula, *Donov. B. S.* ii. t. 68.
V. striatula, *Mont. T. B.* 113; *Lovén, Ind. Moll. Skand.* 39. 288; *Forbes & Hanley, Brit. Moll.* i. 408. t. 23. f. 4, t. 24. f. 4, t. 26. f. 9, 10, 11.
Venus Pennantii, *Forbes, Malac. Monens.* 52.
Venus laminosa, *Turt. Conch. Dict.* 233 (except description of hinge, which is copied from *Mont.*); *Brit. Biv.* 148. t. 10. f. 4; *Thorpe, Brit. Mar. Conch.* 89; *Hanley, Rec. Shells, Supp.* t. 16. f. 11.
Pectunculus sulcatus, *Da Costa, B. S.* 192.
Venus Prideauxiana, *Couch, Cornish Fauna,* pt. 2. 26; *Macgilliv. Moll. Aberd.* 266.
V. casina, *Pulteney Hutchins' Hist. Dorset,* 33 (not *Linn.*).
V. sulcata, *Brown, Conch. G. B.* 90. t. 36. f. 12.
V. rugosa, var., *Penn. B. Z.* ed. 4. iv. 81. t. 56. f. 50; *Flem. Brit. An.* 448.
Ortygia rugosa, *Leach*; *Brown, Ill. C.* t. 20. f. 14, 2nd ed. 90. t. 36. f. 14.
Venus costata, *Brown, Ill. Conch. G. B.* 90. t. 36. f. 13.
Callista candida, Callistoderma gallina, *Poli,* ii. 252, 258.

Venus laminosa?, *Mont. Test. Brit. Supp.* 38; *Laskey, Mem. Wern. Soc.* i. 384. t. 8. f. 16; *Brown, Ill. Conch. G. B.* 90. t. 37. f. 14, 15 (copied from last).
Lister, Hist. Conch. t. 282. f. 120.
VAR. rather more elongated behind.
Venus striatula β, *Loven*, 39.
Venus laminosa, *Turt. Biv.* 148. t. 10. f. 4.
V. Pennantii, *Forbes in Thompson, Rep. Brit. Assoc.* 1843, 262.
V. rugosa, *Flem. B. A.* 448.
V. Prideauxiana, *Macg. Moll. Aberd.*
V. gallina, var., *Jeffrey, Conch. Mag.* 44.
Ortygia Prideauxiana, *Leach, MSS.*
O. sulcata, *Brown, Ill. C.* t. 20. f. 12.

VAR. smoother.
Venus pallida, *Turton, Biv.* 150. t. 10. f. 5.
a—v. Britain.
w, x. Stevenston, Ayrshire.
y, z. Edinburgh. Presented by Miss Greville.
a a—f f. Weymouth. Presented by Miss Bennett.
g g—l l. Britain.
m m—y y. Salcomb. (Venus striatula) Mus. Montagu.
z z—d d d, var. Northumberland.
e e e. Venus rugosa, *Brown.* Firth of Forth.
f f f. Venus sulcata, *Brown.* Firth of Forth.
g g g, h h h. Venus laminosa, *Mont.*? Zetland. Presented by R. M'Andrew, Esq.

** TIMOCLEA.

2. CHIONE OVATA.

Venus ovata, *Penn. B. Z.* ed. 4. 83. t. 56. f. 56, ed. 1812. iv. 206. t. 59. f. 3; *Mont. T. B.* 120; *M. & R. Linn. Trans.* viii. 85. t. 2. f. 4; *Dorset Cat.* 35. t. 1. f. 15; *Turt. Conch. Dict.* 239; *Brit. Biv.* 150. t. 9. f. 3; *Forbes, M. G. S.* i. 415. 54; *Malac. Monens.* 52; *Macgilliv. Moll. Aberd.* 267; *Thorpe, Brit. Mar. Conch.* 90; *Brown, Ill. Conch. G. B.* 91. t. 37. f. 11; *Dillw. Rec. Shells*, 171; *Lamk. Hist.* 2nd ed. vi. 370; *Ind. Test.* t. 7. f. 30; *Mawe, Conchol.* t. 10. f. 5; *Hanley, Rec. Shells*, 116; *Forbes & Hanley, Brit. Moll.* i. 419. t. 24. f. 2, t. 26. f. 1, t. L. f. 6, animal.
Cytherea ovata, *Flem. B. A.* 445; *Thompson, Rep. Brit. Assoc.* 1843, 262.
Timoclea ovata, *Brown, Ill. C.* t. 19. f. 11.
T. Pennantii, "*Leach, MSS.*" *Brown.*
V. radiata, *Brocchi*, 543. t. 15. f. 3; *Philippi, Moll. Sic.* i. 44. & ii. 34; *Desh. Elem. Conch.* t. 20. f. 17, 18.

V. spadicea, *Renieri*; *Nyst.*
V. pectinata, *Lamk. H.* n. 26, 2nd ed. vi. 348.
Cardium striatum radiatum, *Walker, MS.* f. 82.
a—d. Sunderland.
e—j. Bantry.
k, l. Dublin Bay. Presented by T. Warren, Esq.
m—g g. Britain.
h h, i i. Zetland. Presented by R. M'Andrew, Esq.
j j—m m. Britain. Presented by Mrs. Robinson.

*** Clausinella.

3. Chione fasciata.

Venus fasciata, *Dors. Cat.* 34. t. 7. f. 3; *Linn. Trans.* viii. 80; *Donov. B. S.* v. t. 170; *Dillw. R. S.* 159; *Hanley, Rec. Shells*, i. 412; *Flem. Brit. An.* 447; *Turt. Conch. Dict.* 234; *Brit. Biv.* 146. t. 8. f. 9; *Philippi, Sicil.* ii. 381; *Lovén, I. M.* 39. 287, not *Gmelin*; *Forbes, Malac. Monens.* 52; *Macgilliv. Moll. Aberd.* 267; *Thorpe, Brit. Mar. Conch.* 88; *Brown, Ill. Conch. G. B.* 91. t. 36. f. 10; *Burrows, Elem. Conch.* t. 7. f. 2; *Dillw. Rec. Shells*, i. 159; *Desh. in Lamk. Hist.* 2nd ed. vi. 371, & *Elem. Conch.* t. 20. f. 4, 5; *Forbes & Hanley, Brit. Moll.* i. 415. t. 23. f. 3, t. 26. f. 7, t. L. f. 7, animal; *Penn. B. Z.* ed. 1812. iv. 203. no. 6.
Pectunculus fasciatus, *Da Costa, Brit. Conch.* 188. t. 13. f. 3.
Dosina fasciata, *Forbes, M. G. S.* i. 415. 52.
Venus Paphia, *Mont. T. B.* 110 (not *Linn.*); *Pulteney Hutchins' Hist. Dorset*, 33.
Clausina fasciata, *Brown, Ill. C.* t. 20. f. 10.
Venus Brongniarti, *Payr. Cors.* 51. t. 1. f. 23–25; *Philippi, Sic.* i. 43.
V. Dysera minor, *Broc.* t. 16. f. 7 (not *Linn.*).
Astarte Dysera, *Jonkaire.*
a—c. Dublin Bay. Presented by T. Warren, Esq.
d—g. Scotland.
h—x. Britain.

8. Tapes.

Tapes (litteratus), *Megerle, Entw.* 51, 1811; *Gray, Syn. B. M.* 1842, 75, 91; *Proc. Z. Soc.* 1848.
Tapes (pullastra), *Schum. N. Syst.* 136, 1817.
Pullastra, *Sow. Genera*, t. 1827; *Man.* ed. 2. 239; *Zool. Journ.* iii. 134; *Alton, Verz.* 8. 1839.
Rupellaria, *Bellevue, Jour. Phys.* liv. 1802; *Bull. Soc. Philom.* n. s. 62; *Blainv. D. S. N.* xlvi. 450; *Recluz, Rev. Zool.* 1846, 408.
Les Rupellaires, *Lamk. Extr. du Cour.* 1812.
Venus (Les Ruperelles), *Blainv. Malac.* 559, 1825.

Venerupis, *Lamk. Hist. A. s. V.* 506, 1818, ed. 2, vi. 161; *Turton, Bivalves*; *Fleming, B. A.* 441, 1828.
Irus, *Oken, Lehrb. Naturg.* 1815.
Petricola, part., *Schweiger, Naturg.* 704, 1820.
Gastrana, § 2, *Schum. N. S.* 136, 1817.
Petrifora?, *Latr.*
Callista and Callistoderma, part., *Poli, Test. Sicil.* 1795,
Paphia, part., *Bolten, Mus.* 1798, not *Lamk.*
Capsa (pullastra), *Leach, MSS.* 1817, 1818; *Ann. & Mag. N.H.* xx. 272, not *Lamk.*
Venerirupis, *Sow. Man.* 113, 1839.
Venerirupes, *Swains. El. Conch.* 1835.
Venerupes, *Swainson, Malac.* 376.
? Petricola, sp., *Lamk. Hist. A. s. V.* 1816.
? Saxidomus, *Conrad, Journ. Acad. N. S. Phil.*

1. TAPES DECUSSATA.

Venus decussata, *Linn. S. N.* 1135; *Chemn. Conch. Cab.* vii. 58. t. 43. f. 455, 456; *Pulteney Hutchins' Hist. Dorset*, 34 (chiefly); *Dorset Cat.* 36. t. 6. f. 4; *Donov. B. S.* ii. t. 67; *Mont. T. B.* 124; *Wood, Trans. Linn. Soc.* vi. t. 17. f. 11, 12; *M. & R. Linn. Trans.* viii. 88. t. 2. f. 6; *Thorpe, Brit. Mar. Conch.* 93; *Turt. Brit. Bivalves*, 158. t. 8. f. 10; *Conch. Dict.* 244; *Dillw. Rec. Shells*, i. 206; *Lamk. Hist.* 2nd ed. vi. 357 (not var. 4); *Ind. Test.* t. 8. f. 107; *Philippi, Moll. Sic.* i. 45. t. 4. f. 11, & 11. 35; *Hanley, Rec. Shells*, 122. 1. t. 8. f. 107; *Penn. B. Z.* ed. 1812. iv. 210. t. 60. f. 2.
Pullastra decussata, *Brown, Ill. C.* ed. 2. 88. t. 37. f. 5, 6; *Forbes, M. G. S.* i. 414. 49.
Venus litterata, *Penn. B. Z.* ed. 4. iv. 82. t. 57. f. 53 (not *Linn.*).
Venerupis decussata, *Flem. Brit. An.* 451; *Macgilliv. Moll. Aberd.* 339.
Cuneus reticulatus, *Da Costa, B. C.* 203. t. 14. f. 4.
Capsa reticulata, *Leach*, 1818; *Ann. & Mag. N. H.* xx. 272.
Venus deflorata, *Born*, t. 5. f. 2.
V. florida, *Poli, Test. Sic.* t. 21. f. 16, 17.
V. variegata, *Gmel.* 3281.
Tapes decussata, *Forbes & Hanley, Brit. Moll.* i. 379. t. 25. f. 1; *Lister, Ang.* t. 4. f. 20; *Conch.* t. 423. f. 271.
a, b. Sussex. Presented by F. Dixon, Esq.
c, d. Cork. Presented by Miss Elliot.
e—i. Britain.
j. Scotland.
k. Teignmouth.
l—n. Falmouth. Presented by W. P. Cocks, Esq.
o—q, jun. Britain.

2. TAPES PULLASTRA.

Venus Pullastra, *Wood, Linn. Trans.* vi. t. 17. f. 13, 14; *Mont. T. B.* 125; *M. & R. Linn. Trans.* viii. 88. t. 2. f. 7; *Hanley, Rec. Shells,* 122; *Dors. Cat.* 36. t. 1. f. 8; *Turton, Conch. Dict.* 244; *Brit. Biv.* 159; *Lamk. Hist.* ed. 2. vi. 358; *Thorpe, Brit. Mar. Conch.* 94; *Ind. Test.* t. 8. f. 109; *Lovén,* 40. n. 293; *Forbes, M. G. S.* i. 414, 50; *Malac. Monens.* 53; *Penn. B. Z.* ed. 1812. iv. 210. no. 27.

Venus vulgaris, *Brod. Penny Cyclop.* xxvi. 211.

Venerupis pullastra, *Flem. B. A.* 451; *Macg. Moll. Aberd.* 269.

Capsa pullastra, *Leach,* 1818; *Ann. & Mag. N. H.* xx. 272.

Venerupis vulgaris, *Sow. Conch. Man.* 97.

Venus plagia (var.), *Jeffreys, Ann. Nat. Hist.* xix. 313.

V. senegalensis, *Dillwyn, R. S.* i. 206.

Pullastra perforans, *Brown, Ill. Conch. G. B.* 89. t. 37. f. 10.

Pullastra vulgaris, *Sow. Gen.* f. 1; *Brown, Ill. C.* ed. 2. 89. t. 37. f. 7.

Venus perforans, *Mont. Test. Brit.* 127. t. 3. f. 6; *Linn. Trans.* viii. 89; *Turton, Conch. Dict.* 245; *Dillw. Rec. Shells,* i. 206; *Ind. Test.* t. 8. f. 108.

V. pullastra (var. perforans), *Jeffreys, Conch. Mag.* 43.

Tellina rugosa? *Penn. Brit. Zool.* ed. 4. iv. t. 57. f. 34.

Venerupis perforans, *Lamk. Hist.* ed. 2. vi. 162; *Turt. Brit. Biv.* 29. t. 2. f. 15–18; *Flem. Brit. An.* 451; *Thorpe, Brit. Mar. Conch.* 61; *Crouch, Introd. Conch.* t. 5. f. 5; *Hanley, Rec. Shells,* 54; *Philippi, Wiegm. Arch. f. Natur.* 1845, 190. t. 7. f. 15–18.

Capsa perforans, *Leach, MSS.* 1818; *Ann. & Mag. N. H.* xx. 272.

Venerupis nucleus, *Lamk. Hist.* ed. 2. vi. 162; *Macgilliv. Edin. New Phil. Journ.* 1827, 370; *Delessert, Rec. Coq.* t. 5. f. 1; *Hanley, Rec. Shells,* 54.

Venus palustris, *Mawe, Lin. Conch.* t. 10. f. 3.

Tapes Pullastra, *Forbes & Hanley, Brit. Moll.* i. 382. t. 25. f. 2, 3. t. L. f. 5, 5 *a* (animal).

? Venus plagia, *Jeffreys, Ann. & Mag. N. H.* xix. 313.

Pullers and Pullets, *Devon.*

a. Britain. Presented by Mrs. Robinson.

b—m. Ditto.

n, o, tubes of animal. Britain.

p—s. Aberdour, Fifeshire. Presented by Dr. Baird.

t, u. Saltcoats.

v, x. Northumberland.

y—d d. Edinburgh. Presented by Miss Greville.

e e—g g, jun. Britain.

h h—j j, jun. Falmouth. Presented by W. P. Cocks, Esq.

k k—x x. Britain.

Venus perforans, *Mont.*
y y. Ditto. Dawlish.
z z—b b b. Britain.
(Var. monstrosa. Venus sinuosa?)
c c c. Dawlish.
(Var. monstrosa.)

3. TAPES VIRGINEA.

Venus virginea, *Thorpe, Brit. Mar. Conch.* 92; *Pult. Hutchins' Dorset,* 34; *Dorset Cat.* 36. t. 13. f. 1; *Forbes, Malac. Monens.* 53; (not *Linn. S. N.* ed. 12. 1136); *Dillw. Rec. Shells,* i. 207; *Lamk. Hist.* 2nd ed. vi. 360; *Ind. Test.* t. 8. f. 110; *Hanley, Rec. Shells,* 123. t. 8. f. 110; *Mont. T. B.* 128, 576; *M. & R. Linn. Trans.* viii. 89. t. 2. f. 8; *Turt. Conch. Dict.* 246; *Brit. Biv.* 156. t. 8. f. 8.=V. florida, *Lamk., Lovén*; *Penn. B. Z.* ed. 1812. t. 58.

V. rhomboides, *Penn. B. Z.* ed. 4. iv. 83. t. 55. f. (no number).

V. pullastra virginea, *Forbes, M. G. S.* i. 415. 53.

Venerupis virginea, *Flem. B. A.* 452; *Macgill. Moll. Aberd.* 269.

Cuneus fasciatus, *Da Costa, Brit. Conch.* 204.

Venus læta, *Poli,* t. 21. f. 1.

Venus virago, *Lovén, I. M. Skand.* 40. 291.

Pullastra virginea, *Brown, Ill. Conch. G. B.* 89. t. 37. f. 8, 9. t. 36. f. 6.

Tapes virginea, *Forbes & Hanley, Brit. Moll.* i. 388. t. 25. f. 4–6.

Capsa virgo, *Leach,* 1818; *Ann. & Mag. N. H.* xx. 272.

VAR. (shorter, higher).

Venus Sarniensis, *Turt. Brit. Biv.* 153. t. 10. f. 6; *Thorpe, Brit. Mar. Conch.* 91.

Venerupis Sarniensis (var.), *Flem. B. A.* 452; *Macgilliv. Moll. Aberd.* 269.
Lister, Conch. 403. 247?

? V. sinuosa, *Turton, Biv.* 154. t. 10. f. 9? distorted?, not *Donovan.*

YOUNG.

Tellina elliptica (fry)? *Brown, Ill. Conch. G. B.* 101. t. 40. f. 20, 21.
a. Britain. Presented by Mrs. Robinson.
b, c. Dublin Bay. Presented by T. Warren, Esq.
d. Falmouth Harbour. Presented by W. P. Cocks, Esq.
e, f. Scotland.
g—y. Britain.
z—b b. Britain. Mus. Laskey.
(Venus Sarniensis, *Turt.*)

4. TAPES AUREA.

Venus aurea, *Gmel. S. N.* 3288; *Mont. T. B.* 129–576; *Dorset Cat.* 36. t. 13. f. 3; *M. & R. Linn. Trans.* viii. 90. t. 2. f. 9;

Thorpe, Brit. Mar. Conch. 92; *Turt. Conch. Dict.* 247; *Brit. Biv.* 155. t. 9. f. 7, 8; *Flem. Brit. An.* 449; *Dillw. Rec. Shells,* 207; *Lamk. Hist.* ed. 2. vi. 360; *Ind. Test.* t. 8. f. 111; *Philippi, Moll. Sic.* i. 47, ii. 35; *Hanley, Rec. Shells,* i. 123. t. 8. f. 111; *Penn. B. Z.* ed. 1812. iv. 212. t. 60. f. 1.

Pullastra aurea, *Brown, Ill. C.* ed. 2. 89. t. 36. f. 5, 7, 8; *Forbes, M. G. S.* i. 414. 51.

V. literata, *Linn. F. Suec.* (not *Linn. S. N.*).

V. nebulosa, *Solander*; *Pult. Dors.* 34.

Tellina rugosa, *Penn. B. Z.* ed. 4. iv. 75. n. 34. t. 57. f. 34. *Lister,* t. 404. f. 249 A.

Tapes aurea, *Forbes & Hanley, Brit. Moll.* i. 392. t. 25. f. 5.

Capsa crocea, *Leach,* 1818; *Ann. & Mag. N. H.* xx. 272.

a—f. Falmouth. Presented by W. P. Cocks, Esq.

g—k (with purple inner lip). Britain.

l—x. Britain.

y, z, var.? Loch Ryan.

a a—g g (rounded). Britain.

h h. Britain. Venus ænea, *Turt.*

VAR.

Venus ænea, *Turt. Conch. Dict.* 248? f. 20?; *Bivalves,* 152. t. 10. f. 7; *var. Flem. Brit. An.* 449; *Thorpe, Brit. Mar. Conch.* 91.

Venus nitens, *Turt. C. Dict.* 247; *Bivalves,* t. 10. f. 8, *var.*; *Flem. Brit. An.* 449; *Thorpe, Brit. Mar. Conch.* 93.

MONSTROSITY.

Venus sinuata, *Turton* (not *Penn.*), *Conch. Dict.* 242; *Brit. Biv.* 155. t. 9. f. 7, 8; *Flem. Brit. An.* 449; *Thorpe, Brit. Mar. Conch.* 92.

Fam. 2. CORBICULADÆ.

Corbiculadæ, *Gray, Proc. Zool. Soc.* 1848, 184.

Cyrenidæ, *Gray, Syn. B. M.* 1840; 1842, 75, 91.

Les Conques **, *Lamk. Cour.* 107, 1812.

Les Conques fluviatiles, *Lamk. Hist.* v. 556, ed. 2. v. 263.

Conchacés, § 2. part., *Rang, Man. Moll.* 312.

Cyclades, *Feruss. Prod.* 43.

Cycladées, *Rafinesque, Anal. Nat.* 1815.

Veneridia Isoperia, *Rafin. Anal. Nat.* 1815.

Cycladea, *Menke, Syn.* 110; 1830; *Alton, Verz. Conch.* 12; *Desh. Enc. Meth.* iii. 552.

Cycladina, *Macgilliv. Moll. Aberd.* 208; *Latr. Fam. Nat.* 1825 (not *Cantraine*).

Cycladacea, *Hinds, Zool. Sulph.* 66, 1844.

Cycladæ, *Fleming, B. A.* 409, 1828; *Gray in Turton, Man.* ed. 2. 277, 1840.
Cyclas, *Lamk. Syst.* 1801.
Cycladia, *Rafin. Coq. Biv. Ohio,* 1820.
Cycladeæ, *Menke, Syn.* ed. 1.
Cyclasidæ, *D'Orbigny, Voy. Amér. Mérid.*; *Geinitz.*
Veneriadæ, part., *Leach,* 1818; *Ann. & Mag. N. H.* xx. 272.

1. Sphærium.

Sphærium (cornea), *Scopoli, Introd. N. Hist.* 397, 1777 (not *Charp.* 1824).
Nux, *Humph. Calonne Cat.* 1796.
Cycladea, *Rafin. Anal. Nat.* 1815.
Cornea, *Megerle, Entwurf.* 56, 1811.
Cyclas, sp. *Lamk. Hist. An. s. V.* 1818.
Cyclas, sp. *Brug. Ency. Meth.* 301, 1792; *Lamk. Sys. A. s. V.* 123, 1801; not *Klein,* 1753; *Leach,* 1818.
Corneocyclas, *Ferussac in Blainv. Dict. Sci. Nat.* xii. 277, 1818.
Cyglas, *Oken, Lehrb. Nat.* (error of press).
Cyclas, *Pfeiffer, Naturg.* i. 123, ii. 3, 1822; *Nilsson, Moll. Suec.* 95.

1. Sphærium rivicole.

Tellina cornea β, *Maton & Racket, Linn. Trans.* viii. 59; *Turton, Conch. Dict.* 180; *Wood,* t. 46. f. 3.
Cardium corneum, var. *Montagu, T. B.* 86.
Cyclas cornea, *Drap. Hist. Moll.* 128. t. 10. f. 1, 3 (not *Müller*); *Brard, Coq. ter. et fluv. de Paris,* 219. t. 8. f. 2, 3.
C. rivicola, *Leach, MSS.*; *Lamk. Hist.* v. 558, 2nd ed. vi. 267; *Pfeiffer, L. & Suss. Moll.* 121. t. 5. f. 3, 5; *Turton, Bivalves,* 248. t. 11. f. 13; *Man. Land & Freshwater Shells,* 12. t. 1. f. 1; *Gray, ditto,* 279. t. 1. f. 1; *Fleming, Brit. Anim.* 452; *Jenyns, Trans. Camb. P. S.* iv. 294; *Brown, Ill. Con. G. B.* 93. t. 39. f. 16–18; *Sow. Gen. Shells, Cyclas*; *Kickx, Moll. Brab.* 86; *Desh. Enc. Meth.* ii. pt. 2. 36; *Sow. Conch. Man.* f. 111; *Reeve, Conch. Syst.* t. 62; *Hanley, Rec. Shells,* i. 89. t. 5. f. 90.
Pisum rivicola, *Blainv. Malac.*; *Forbes & Hanley, Brit. Moll.* ii. 111. t. 37. f. 1, 2. and t. Q. f. 1 (animal).

Young, compressed, pale.
Tellina æquata, *Sheppard, MSS. Brit. Mus.*
Cardium nux, part., *Da Costa, Brit. Con.* 189.
Cardium amnicum, *Dorset Cat.* 32; *Enc. Meth. Vers,* t. 302. f. 5.
a—k. Wednesbury, Warwickshire. Presented by Mrs. Corrie.
l—q. Surrey Canal.
r—y. Britain.

z, *a a*. River Fosse, York. Presented by Rev. W. Hincks.
b b—r r, old and young. York. Presented by P. Carpenter, Esq.

2. SPHÆRIUM CORNEUM.

Tellina cornea, *Linn. S. N.* ed. 12. 1120; *Faun. Suec.* ed. 2. 517; *Linn. Trans.* viii. 59; *Donov. B. S.* iii. t. 96; *Turt. Conch. Dict.* 179; *Penn. Brit. Zool.* ed. 4. 75. t. 49. f. 36. ed. 1812. t. 52. f. 3; *Schroëter, Flussconch.* 189 (pars). t. 4. f. 4; *Dillw. Rec. Shells*, i. 104.
Nux nigella, *Humph. Calonne Cat.*
Tellina rivalis, *Müller, Verm. Hist.* ii. 202.
Cardium corneum, *Mont. T. B.* 86; *Pulteney Hutchins' Dorset*, 31.
Cardium nux, part., *Da Costa, B. S.*?
Cyclas cornea, *Lamk. Hist.* v. 558, ed. 2. vi. 268 (not vars.); *Pfeiffer*, 120. t. 5. f. 1, 2; *Nilsson, Moll. Suec.* 96; *Turton, Biv.* 248. t. 11. f. 14; *Man. Land and Freshwater Shells*, 13. t. 1. f. 2; *Gray, ditto*, 280. t. 1. f. 2; *Flem. B. A.* 452; *Jenyns, l. c.* iv. 295; *Brown, Ill. Con. G. B.* 93. t. 39. f. 19; *Kickx, Moll. Brabant*, 87; *Philippi, Moll. Sic.* ii. 30; *Gras, Moll. t. et fl. France*, 72. t. 6. f. 2; *Hanley, Rec. Shells*, 1–89; *Supp.* t. 9. f. 15; *Forbes & Hanley, Brit. Moll.* ii. 113. t. 37. f. 3–6.

VAR. 1. Stagnicola. Shell subglobose, rather flattened on the basal edge; umbones tumid, pellucid, very prominent.
Cyclas rivalis, *Drap. Moll.* 129. t. 10. f. 4, 5; *Brard, Coq. ter. et fl.* 222. t. 8. f. 4, 5.
Tellina stagnicola, *Shep. Linn. Trans.* xiv. 150.
Cyclas flavescens, *Macgilliv. Moll. Aberd.* 246.
Cyclas stagnicola, *Leach, MSS. Brit. Mus.*
C. cornea β, *Jenyns, l. c.* 8.
Cyclas citrina, *Brown, Ill. Conch. G. B.* 132. t. 39. f. 37.

VAR. 2, gibbosa. Shell very gibbous; margin very blunt.

VAR. 3. compressa. Shell rather compressed; the margin meeting at an acute angle.

VAR. 4, minor. Small, nearly globular.
a—m. Coggeshall, Essex.
n—z, old and young. York. Presented by P. Carpenter, Esq.
a a—w w. Near Edinburgh. Presented by Miss Greville.
x x—q q q. Regent's Canal.
r r r—w w w, old and young. Brislington near Bristol. Presented by P. Carpenter, Esq.

x x x, y y y, young. Campsey Ash, Suffolk. Presented by Rev. — Sheppard.
Tellina æquata, *Sheppard.*
z z z—h h h h. Aberdeenshire. Presented by Professor Macgillivray.
Cyclas flavescens, *Macgilliv.*
i i i i. Lakes of Cumberland.
Cyclas flavescens.

3. SPHÆRIUM LACUSTRE.
Cardium lacustre, *Mont. T. B.* 89.
Tellina lacustris, *Linn. Trans.* vii. 60; *Turton, C. D.* 180; *Wood, Gen. Conch.* 197. t. 47. f. 5; *Dillw. Rec. Shells,* i. 104; *Penn. B. Z.* ed. 1812. iv. 184. no. 23.
Cyclas calyculata, *Drap.* 130. t. 10. f. 14, 15; *Lamk. Hist.* v. 559, ed. 2. vi. 269; *Brown, Ill. C. G. B.* 94. t. 39. f. 28; *Hanley, Rec. Shells,* 1–89; *Gras, Moll. t. et fl.* 73. t. 6. f. 5; *Philippi, Moll. Sic.* ii. 214; *Forbes & Hanley, Brit. Moll.* ii. 115. t. 37. f. 7. (as lacustris) t. O. f. 7, animal; *Pfeiffer,* 122. t. 5. f. 17, 18; *Nilsson,* 99; *Turton, Man.* ed. 1. 14. t. 1. f. 3; *Kickx, Moll. Brab.* 89; *Desh. E. M. Vers,* ii. pt. 2. 37.
Cyclas lacustris, *Turton, Biv.* 249. t. 11. f. 18; *Brown, Ill. Conch. G. B.* 94. t. 39. f. 20; *Flem. Brit. An.* 453.
YOUNG. The apex of the shell large relatively to the size of the specimen.
Inhab. rivers.
VAR. 1. Shell orbicular, less compressed, subdiaphanous, reddish brown.
Cyclas lacustris, *Alder, Cat.* 1, 40, *Brit. Mus.*; *Alder, Trans. Nat. Hist. Soc. Newcastle,* 1, 40; *Gray, Man. L. & Freshw. Shells,* 281. t. 1. f. 3.
Cyclas calyculata β, *Jenyns, l. c.* 11.
Inhab. ponds.
VAR. 2. Shell orbicular, rhombic, rather ventricose, subdiaphanous, reddish; unbones less prominent, blackish.
Cyclas stagnicola, *Leach, MSS. fide Lamk.*
C. calyculata, var. 2, *Lamk. Hist.* v. 559.
C. ——, γ, *Jenyns, l. c.* 11.
Inhab. North of England (*Jenyns*).
a—h. Yorkshire. Presented by W. Sewell, Esq.
i—c c. Coggeshall, Essex.
d d—s s. Pond near Edinburgh.
t t, u u. Belfast. Presented by W. Thompson, Esq.
v v—m m m. Britain.
n n n—y y y. River Fosse, York. Presented by P. Carpenter, Esq.

z z z—i i i i. Yorkshire. Presented by P. Carpenter, Esq. Cyclas stagnalis.
j j j j—p p p p? Britain. Mus. Mont.

2. Pisum.

Pisum, *Megerle, Entw.* 57, 1811 (not *Linn.*); *Gray, P. Z. S.* 1848, 184.
Cyclas, sp., *Lamk. Hist.* ed. 2. v. 559; *Leach,* 1818, l. c. xx. 272.
Pisidium (amnicum), *Pfeiffer, Naturg.* i. 123. (1821) ii. 33. iii. 68; *Desh. E. M.* iii. 772; *Nilsson, Moll. Suec.* 99; *Gray, Turt. Man.* ed. 2. 279, 282, 1840.
Galilcja (fontinalis), *Costa, Correspond. Zool.* 1839; *Phil. Moll. Sic.* ii. 214.
Pera (amnica), *Leach, MSS. B. M.* 1819, fide *Gray, Turt. Man.* 282, 1840; *Ann. & Mag. N. H.* xx. 267.
Euglesia (pusilla), *Leach, MSS. B. M.* 1820, fide *Gray, Turt. Man.* 282, 1840; *Ann. & Mag. N. H.* xx. 267.

1. Pisum obtusale.

Pisidium obtusale, *Pfeiffer,* 125. t. 5. f. 21, 22; *Jenyns, l. c.* 301. t. 20. f. 1, 3; *Gray, Man. L. & F. W. Shells,* 282. t. 12. f. 149; *Brown, Ill. Conch. G. B.* 94. t. 39. f. 24; *Forbes & Hanley, Brit. Moll.* ii. 120. t. 36. f. 1.
Cyclas obtusalis, not *Lam. Hist.* v. 559.
Pera gibba, *Leach, MSS. Brit. Mus.*

Young. The yellow zone broader.

Var. 1. Shell ovate, trigonal, very ventricose, blackish or ochraceous; the edge very blunt.
Cyclas obtusalis, *Nilsson,* 101 (not *Lamk.*); *Hanley, Rec. Shells,* i. 90. *Supp.* t. 9. f. 47.
Cyclas obtusale β, *Jenyns, l. c.* 13.
a—f (Pera gibba). Britain. Presented by J. E. Gray, Esq.
g—l l. Coggeshall, Essex.
m m—u u. Watford, Herts. Presented by T. B. Hall, Esq.

2. Pisum nitidum.

Pisidium nitidum, *Jenyns, Monog.* 16. t. 20. f. 7, 8; *Gray, Man. L. & F. W. Shells,* 283. t. 12. f. 150; *Thompson, Ann. Nat. Hist.* vi. 195; *Macgilliv. Moll. Aberd.* 253; *Brown, Ill. Conch. G. B.* 95. t. 39. f. 26; *Forbes & Hanley, Brit. Moll.* ii. 126. t. 37. f. 14.
Cyclas nitida, *Hanley, Rec. Shells,* i. 90. *Supp.* t. 14. f. 46.
Hab. — —?

3. Pisum pusillum.

Pisidium pusilla, *Turton, C. Dict.* 167.

Cyclas pusilla, *Turton, Biv.* 251. t. 11. f. 16, 17; *Man.* ed. 1. 16. t. 1. f. 7.
C. fontinalis, *Nilsson,* 101; *Drap.* 130. t. 10. f. 8, 11; *Gras, Moll. t. & fl. France,* 73. t. 6. f. 3, 4?; *Lamk. Hist.* 2nd ed. vi. 270?; *Desh. E. M. Vers,* ii. pt. 2. 37?; *Hanley, Rec. Shells,* i. 90, *Supp.* t. 14. f. 5.
C. gibba, *Alder, Cat.* 41.
Euglesia Henslowiana, *Leach, MSS. Brit. Mus.*; *Ann. & Mag. N. H.* xx. 267.
Pisidium pusillum, *Jenyns, Monog.* 14. t. 20. f. 4, 6; *Gray, Man. L. & F. W. Shells,* 283. t. 1. f. 7; *Macgilliv. Moll. Aberd.* 253; *Brown, Ill. Conch. G. B.* 95. t. 39. f. 27; *Forbes and Hanley, Brit. Moll.* t. 37. f. 10. t. O. f. 9, animal.
Galilcja, *Costa.*
a—f. York. Presented by P. Carpenter, Esq.
g—j. Britain. Presented by W. Trevelyan, Esq.
k—vv. West Bergholt, Essex.
w w?. Staffordshire. Presented by J. Carter, Esq.

4. PISUM PULCHELLUM.

Pisidium pulchellum, *Jenyns, Monog.* 18. t. 21. f. 1-5; *Gray, Man. L. & F. W. Shells,* 284. t. 12. f. 151; *Macgilliv. Moll. Aberd.* 252; *Forbes & Hanley, Brit. Moll.* ii. 128. t. 37. f. 12, 13.
Cardium amnicum, jun., *Montag. T. B.* 88.
VAR. 1. Smaller, shell thin, finely striated, umbones rather acute.
Pera pulchella, *Leach, MSS. Cab. Brit. Mus.*
Pisidium fontinale, *Pfeiffer, Deutsch L. & S. Moll.* 125. t. 5. f. 15, 16; *Brown, Ill. Con. G. B.* 94. t. 39. f. 23.
Cyclas fontinalis, *Brown, Edin. Journ. N. & G. Sc.* i. 11. f. 5, 7; *Alder, Cat.* 41.
Pisidium pulchellum *β, Jenyns, Mon. l. c.* t. 21. f. 2, 3.
VAR. 2. Shell obliquely oval, finely striated; edge very blunt; hinge margin nearly straight.
Pisidium pulchellum δ, *Jenyns, Mon.* 18. t. 21. f. 4, 5.
Cyclas pulchella, *Hanley, Rec. Shells,* i. 91.
Pisidium Jenynsii, *Macgilliv. Moll. Aberd.* 249.
P. Johannis, *Macgilliv. Moll. Aberd.* 248.
a—n. Britain.
Var. *b.* Jun.

5. PISUM HENSLOWIANUM.

Pera Henslowiana, *Leach, MSS. Brit. Mus.* 1819.
Tellina Henslowiana, *Leach, MSS.*; *Shepp. Linn. Trans.* xiv. 150.

Pera appendiculata, *Leach, MSS. Brit. Mus.* 1819.
Cyclas appendiculata, *Turton, Man.* ed. 1. t. 15. f. 6; *Hanley, Rec. Shells,* i. 91, *Supp.* t. 14. f. 42.
Pisidium Henslowianum, *Jenyns, Mon.* 20. t. 21. f. 6, 7, 8, 9; *Gray, Man. L. & F. W. Shells,* 285. t. 1. f. 6; *Brown, Ill. Con. G. B.* 95. t. 39. f. 25; *Forbes & Hanley, Brit. Moll.* ii. 131. t. 37. f. 11.
Pisidium acutum, *Pfeiffer, Wiegm. Arch.* 1831, pt. i. 230.
a—n. Cambridge. Presented by Rev. J. S. Henslow.
o—t. York. Presented by P. Carpenter, Esq.
u—c c. Preston.

6. PISUM AMNICUM.

Tellina amnica, *Müller,* ii. 205; *Linn. Trans.* viii. 60; *Dillwyn, Rec. Shells,* i. 105; *Don. Cat.* 31. t. 7. f. 2 *a*; *Turt. Dict.* 168; *Wood, Gen. Conch.* 153. t. 47. f. 6; *Ind. Test.* t. 3, *Tellina,* f. 19; *Penn. B. Z.* ed. 1812. iv. 185. no. 24.
Tellina rivalis, *Maton, Linn. Trans.* iii. 44. t. 13. f. 37, 38; *Don. B. T.* t. 64. f. 2.
Cardium amnicum, *Montag. T. B.* 86.
Cyclas palustris, *Drap.* 131. t. 10. f. 15, 16; *Gras, Moll. t. et fl. France,* 73. t. 6. f. 6.
C. obliqua, *Lamk. Hist.* v. 559, ed. 2. vi. 269; *Nilsson,* 99; *Kickx, Moll. Brab.* 89.
Pisidium obliquum, *Pfeiffer,* 124. t. 5. f. 19, 20; *Brown, Ill. Con. G. B.* 94. t. 39. f. 22; *Philippi, Moll. Sic.* ii. 31.
Cyclas amnica, *Turt. Biv.* 250. t. 11. f. 15; *Man.* ed. 1. 15. f. 5; *Fleming, B. A.* 453; *Hanley, Rec. Shells,* i. 89. t. 3. f. 19.
Pisidium amnicum, *Jenyns, Mon.* 21. t. 21. f. 2; *Forbes & Hanley, Brit. Moll.* ii. 133. t. 37. f. 8, 9. t. O. f. 8, animal.

YOUNG SHELL rather compressed; umbones scarcely prominent.

VAR. 1. Shell with very deep grooves.
Pera fluviatilis, *Leach, MSS. in Brit. Mus.*
Pisidium amnicum β, *Jenyns, Mon.* 22.

VAR. 2. Shell nearly smooth with slighter striæ.
Pera Henslowiana, *Leach, MSS. Brit. Mus.*
Pisidium amnicum γ, *Jenyns, Mon.* 22.
a—f f. Bexley, Kent.
g g—o o. Coggeshall, Essex.
p p—w w w. Cambridge. Presented by Rev. J. S. Henslow.
Pera Henslowiana, *Leach, B. M.*
x x x—a a a a. York. Presented by P. Carpenter, Esq.
b b b b—n n n n. Britain.
Pisidium obliquum, *Brown.*

7. PISUM CINEREUM.

Pisidium cinereum, *Alder, Cat. Supp.* 4; *Mag. Z. & Bot.* ii. 119; *Brown, Ill. Conch. G. B.* 95. t. 39. f. 28; *Forbes & Hanley, Brit. Moll.* ii. 125. t. 36. f. 2; *Gray, Man. L. & F. W. Shells,* 286. t. 12. f. 152; *Thompson, Ann. Nat. Hist.* vi. 196.

VAR. More ventricose, and produced at the umbones.

Cyclas cinerea, *Hanley, Rec. Shells,* i. 90, *Supp.* t. 14. f. 44.

a—w. Castle Eden. Presented by Joshua Alder, Esq.

x—k k. Scarborough. From Mr. Bean's Collection.

Fam. 3. CARDIADÆ.

Cardiadæ, *Gray, Syn. B. M.* 1840, 1842, 75, 91; *Proc. Zool. Soc.* 1848, 185.

Cerastes or Cerastoderma, *Poli, Test. Sicil.* 1791.

Les Cardiacées, pars, *Lamk. Cour.* 106, 1812.

Bucardes ou Cardiacés, *Feruss. Prod.* 44.

Veneridia Isoperia, pars, *Rafin. Anal. Nat.* 1815.

Conchacés, § 2, *Rang, Man. Mol.* 304.

Cardiacea, *Menke, Syn.* 49; *Alton, Verz. Conch.* 12.

Cardiina, *Macgilliv. Moll. Aberd.* 213.

Veneriadæ, part., *Leach,* 1818; *Ann. & Mag. N. H.* xx. 1847, 272.

1. CARDIUM.

Cardium (costatum), *Linn. S. N.* ed. 10, ed. 12. i. 1122; *Gmelin, S. N.* i. 3244; *Brug. E. M.* i. 203; *Lamk. Syst.* 119, 1801; *Hist.* vi. 2, ed. 2. vi. 388; *Megerle,* 1811; *Schum. N. S.* 158; *Spengler, Skrift. Nat. Selsk.* vi.; *Sow, Conch. Illust.*

Pectunculus, *Adanson, Seneg.*

Lævicardium (lævigatum), *Swainson, Malac.* 1840.

Hemicardium (Unedo), *Swainson, Mal.* 1840.

Hemicardia, sp. *Klein.*

Isocardia, sp. *Klein.*

Circulum, sp. (fragum), sp. *Bolten.*

* ACANTHOCARDIA.

1. CARDIUM ACULEATUM.

Cardium aculeatum, *Linn. S. N.* 1122; *Chemn. Conch. Cab.* vi. 161. t. 15. f. 157; *Penn. B. Z.* ed. 4. iv. 76. t. 50. f. 37; *Da Costa,* 175; *Donov. B. S.* i. t. 6; *Mont. T. B.* 77. *Supp.* 30; *Wood, Gen. Conch.* 207. t. 48? f. 1; *Turt. Conch. Dict.* 28; *Brit. Biv.* 181. t. 13. f. 6, 7; *Poli, Test. Sic.* t. 17. f. 1–3; *Dillw. Rec. Shells,* i. 114; *Lamk. H.* n. 14. 2nd ed. vi. 397; *E. M.* t. 297. f. 5; *Philippi, Moll. Sic.* i. 50, ii. 37; *Reeve, Conch. Icon. Cardium,* t. 4. f. 17; *Forbes & Hanley, Brit. Moll.* ii. 4. t. 33.

f. 1; *M. & R. Linn. Trans.* viii. 62; *Flem. Brit. An.* 420; *Thorpe, Brit. Mar. Conch.* 95; *Brown, Ill. Conch. G. B.* 87. t. 34. f. 1–3; *Sow. Conch. Ill. Cardium*, f. 28; *Hanley, Rec. Shells.* 1. 131; *Leach, Ann. & Mag. N. H.* xx. 272.

Cerastes giganteus, Cerastoderma aculeatum, *Poli*, ii. 253, 258.

YOUNG.

Card. ciliare, *Wood, Gen. Conch.* 209. t. 49. f. 3, 4; *Penn. B. Z.* iv. 90. t. 50. f. 39; *Pulteney Hutchins' Dors.* 31; *Donov. Brit. Shells*, i. t. 32. f. 2; *Mont. Test. Brit.* 79; *Linn. Trans.* viii. 64; *Dorset Cat.* 31. t. 4. f. 1.

C. parvum, *Da Costa, Brit. Conch.*177; *Enc. Meth. Vers*, t. 298. f. 1.

a, b. Torbay.
c, d, e. Britain.
f—k, old and young. Tenby, Devon.
l. Britain. Presented by Mrs. Robinson.

2. CARDIUM ECHINATUM.

Cardium echinatum, *Linn. S. N.* 1122; *Penn. B. Z.* ed. 4. iv. 76. n. 38; *Da Costa, B. C.* 176. t. 14. f. 2; *Donov. B. S.* iii. t. 107. f. 11; *Mont. T. B.* 78. 568; *Linn. Trans.* viii. 63; *Dorset, Cat.* 3, t. 6. f. 2; *Wood, Gen. Conch.* 208. t. 49. f. 1, 2; *Pulteney Hutchins' Dors.* 30; *Lamk. H.* n. 12, 2nd ed. vi. 396; *Turt. Conch. Dict.* 29; *Brit. Biv.* 183; *Lovén, I. M.* 35. 265; *Forbes, M. G. S.* i. 416. 62. *Chemn. Conch. Cab.* vi. 165. t. 15. f. 158; *Mag. Berl. Gesels. Natur.* ii. 113; *Müller, Zool. Dan.* t. 13, 14; *Ind. Testac.* t. 5. f. 2; *Reeve, Conch. Icon. Card.* t. 6. f. 34; *Forbes & Hanley, Brit. Moll.* ii. 7. t. 33. f. 2, & t. N. f. 3, animal; *Flem. Brit. An.* 421; *Macgil. Moll. Aberd.* 271; *Thorpe, Brit. Mar. Conch.* 96; *Brown, Ill. Conch. G. B.* 87. t. 34. f. 6; *Philippi, Moll. Sic.* i. 49, ii. 37; *Hanley, Rec. Shells*, i. 131. t. 5. f. 2.
Lister, Ang. t. 5. f. 33; *Conch.* t. 324. f. 161.

Cerastes cirratus, Cerastoderma echinatum, *Poli*, ii. 253, 258.

Card. mucronatum, *Poli, Test. Sic.* i. t. 17. f. 7, 8.

VAR. Card. spinosum, *Sow. Brit. Miscell.* t. 32; *Linn. Trans.* viii. 63.

a. Scotland.
b—i. Britain.
j. Falmouth. Presented by W. P. Cocks, Esq.

3. CARDIUM RUSTICUM.

Cardium rusticum, *Linn. S. N.* ed. 10 (not *Lamk.* nor *British writers*) 681, ed. 12. ii. 24; *Wood, Gen. Conch.* 225. t. 55. f. 2, 3; *Forbes & Hanley, Brit. Moll.* ii. 11. t. 31. f. 3, 4.

Cardium tuberculatum, *Linn. S. N.* ed. 10. 679?, ed. 12. 1122; *Mus. Ulric.* 488; *Pulteney Hutchins' Dors.* 30; *Donov. B. S.* iii. t. 107. f. 2; *Flem. Brit. An.* 421; *Thorpe, Brit. Mar. Conch.* 95; *Mont. T. B.* 568; *Linn. Trans.* viii. 64; *Wood, G. Conch.* 210. t. 50. f. 1, 2; *Turt. Dict.* 28. f. 12; *Brit. Biv.* 181; *Lamk. H.* n. 15, 2nd ed. vi. 397; *Brown, Ill. Conch. G. B.* 87. t. 34. f. 9; *Chemn. Conch. Cab.* vi. t. 17. f. 173; *Dillw. Rec. Shells,* i. 117; *Hanley, Rec. Shells,* 131; *Payraud. Cat. Moll. Corse,* 55; *Philippi, Moll. Sic.* i. 50, ii. 37; *Penn. B. Z.* ed. 1812, iv. 188. no. 7.

Cerastes cinnabarinus, Cerastoderma rusticum, *Poli, Test. Sic.* ii. 252, 258. t. 16. f. 5.

C. echinatum (var.), *Mont. Test. Brit.* 79. *& Supp.* 33.

C. tuberculare, *Sow. Gen. Shells, Card.* f. 3; *Enc. Meth. Vers.* t. 295. f. 3, t. 300. f. 1.

a—d. Britain.

e, f. Falmouth. Presented by W. P. Cocks, Esq.

g—t, young. Britain.

** CARDIUM.

4. CARDIUM EDULE.

Cardium edule, *Linn. S. N.* 1124; *Chemn.* f. 194; *Penn. B. Zool.* ed. 4. iv. 77. t. 50. f. 41; *Pulteney Hutch. Dors.* 30; *Dorset Cat.* 32. t. 11. f. 1; *Mont. T. B.* 76. 569; *Donov. B. S.* iv. t. 124. f. 1; *Wood, Gen. Conch.* 226. t. 55. f. 4; *Linn. Trans.* viii. 65; *Lovèn, I. M.* 35. n. 266; *Forbes, M. G. S.* i. 416. 58; *Turt. Conch. Dict.* 30; *Brit. Biv.* 188; *Flem. Brit. An.* 422; *Couch, Corn. Faun.* pt. ii. 28; *Macgilliv. Moll. Aberd.* 272; *Brown, Ill. Conch. G. B.* 87. t. 35. f. 1–6; *Cuv. Règn. An.* ed. *Croch.* t. 99. f. 4; *Chemn. Conch. Cab.* vi. 198. t. 19. f. 194; *Thorpe, Brit. Mar. Conch.* 97; *Dillw. Rec. Shells,* i. 127; *Lamk. Hist.* 2nd ed. vi. 406; *Ind. Test.* t. 5. f. 26; *Rees' Cycloped.* t. 5; *Hanley, Rec. Shells,* i. 134. t. 5. f. 26; *Reeve, Conch. Icon. Card.* t. 4. f. 22; *Forbes & Hanley, Brit. Moll.* ii. 15. t. 33. f. 1–4, t. N. f. 5 (animal); *Leach, Ann. & Mag. N. H.* xx. 272, 1847. *List. Ang.* t. 5. f. 34; *Conch.* t. 334. f. 171.

Card. obliquum, *Woodward, Geol. Norf.* t. 2. f. 19 (foss.).

Card. vulgare, *Da Costa,* 180. t. 11. f. 1.

C. crenulatum, *Lamk. Hist.* 2nd ed. vi. 405; *Deless. Rec. Coq.* t. 11. f. 5; *Reeve, Conch. Icon. Card.* t. 20. f. 112.

Card. zonatum, *Brown, Ill. C.* t. 22. f. 8, 2nd ed. 88. t. 35. f. 8.

C. pectinatum, *Lamk. Hist.* 2nd ed. vi. 405; *Hanley, Rec. Shells,* i. 134.

C. arcuatum, *Reeve* (not *Mont.*), *Conch. Icon. Card.* t. 22. f. 33.

Cerastes gracilis, Cerastoderma edule, *Poli,* ii. 252, 258.

Enc. Meth. Vers, t. 300. f. 5; *Savigny, Desc. Egypte,* t. ?. f. ?.

VAR.

Cardium rusticum, *Chemn.* (not *Linn.* nor *Hanl.*) *Conch. Cab.* vi. t. 19. f. 197; *Mont. Test. Brit.* 569; *Donov. Brit. Shells*, iv. t. 124. f. 2; *Poli, Test. Sic.* t. 17. f. 12, 13; *Lamk. Hist.* 2nd ed. vi. 405; *Desh. Elem. Conch.* t. 25. f. 1; *Philippi, Moll. Sic.* i. 52. t. 4. f. 12–14, ii. 38; *Forbes & Hanley, Brit. Moll.* ii. 18.

C. edule, *β.* rusticum, *Leach, Ann. & Mag. N. H.* xx. 1847, 272.

C. glaucum, *Brug. Enc. Meth. Vers*, i. 221; *Poiret, Voy. Barb.* ii. 13; *Wood, Gen. Conch.* 218; *Dillw. Rec. Shells*, i. 130; *Hanley, Rec. Shells, Supp.* t. 17. f. 36.

Cerastes cinnabarinus, Cerastoderma rusticum, *Poli*, ii. 252, 258.

C. Lamarckii, *Reeve, Conch. Icon. Card.* t. 18. f. 93.

C. Belticum, *Reeve, l. c.* t. 20. f. 113.

C. edule, *Brown, Ill. C. G. B.* t. 35. f. 7; *Philippi, Moll. Sic.* i. 52, ii. 39.

VAR. fluviatile.

Cardium edule, var. fluviatile, *Witham, Trans. Wern. Soc.* v. 577.

Cardium tenuis, *Brown, Ill. C. G. B.* t. 22. f. 4.

a—d, var. large. Stornoway.
e—v. Britain.
w—y. Romney.
z—d d, var. Britain.
e e, f f, var. Hoylake.
g g. (Cardium rusticum.) Hastings.
h h—o o. (Ditto.) Britain.
p p, var. Britain.
q q—w w, var. Portsea.
x x, y y. (Cardium zonarium), Sow. (fide Bean). England.
z z, var. distorted. Britain.

*** HEMICARDIUM.

5. CARDIUM NODOSUM.

Cardium nodosum, *Mont. T. B.* 81; *Turton, Bivalves*, 186. t. 13. f. 8; *Hanley, Rec. Shells*, 136, *Supp.* t. 17. f. 44; *Lovèn, I. M.* 36. n. 268; *Jeffreys, Ann. N. H.* xix. 313; *Reeve, Conch. Icon. Card.* t. 22. f. 128; *Forbes & Hanley, Brit. Moll.* ii. 22. t. 32. f. 7; *Penn. B. Z.* 1812, iv. 189. no. 11.

? C. discrepans, *Brown, Ill. C.* t. 22. f. 9.

Cardium tuberculatum, *β.* nodosum, *Leach, Ann. & Mag. N. H.* xx. 272, 1847.

C. scabrum, *Philippi, Moll. Sic.* ii. t. 14. f. 16; *Hanley, Rec. Shells, Supp.* t. 17. f. 43.

a—h. Edinburgh. Presented by Miss Greville.
i—m. Scotland.
n—p. Torquay.

BOMBAY BRANCH OF THE

6. CARDIUM FASCIATUM.

Cardium fasciatum, *Mont.* (not *Gmel.*) *Test. Brit. Supp.* 80. t. 27. f. 6; *Reeve, Icon.* t. 21. f. 118; *Lovèn, I. M.* 1851, 267; *Turt. Conch. Dict.* 32; *Flem. Brit. An.* 422; *Thorpe, Brit. Mar. Conch.* 98; *Brown, Ill. Conch. G. B.* 88. t. 35. f. 11; *Wood, Gen. Conch.* 215; *Dillw. Rec. Shells,* i. 130; *Forbes & Hanley, Brit. Moll.* ii. 25. t. 32. f. 5, t. N. f. 4, animal; *Penn. B. Z.* ed. 1812, iv. 191. no. 16.

C. exiguum, *Macg. Moll. Aberd.* (not *Gmel., Mont.*, nor *Philippi*).

C. parvum, *Philippi, Moll. Sic.* ii. 39?

C. elongatum, *Montague, Test. Brit.* 82! fide *Turton* (not *Brug.*); *Turt. Biv.* 185. t. 13. f. 9; *Linn. Trans.* viii. 17 (from *Mont.*); *Turt. Conch. Dict.* 31; *Wood, Gen. Conch.* 214; *Dillw. Rec. Shells,* i. 131; *Flem. Brit. An.* 422.

C. ovale, *Sow. Conch. Ill. Card.* no. 24; *Hanley, Rec. Shells,* i. 136, *Supp.* t. 17. f. 45; *Reeve, Conch. Icon. Card.* t. 21. f. 119.

C. obovale (error for *ovale*), *Thorpe, Brit. Mar. Conch.* 96.

C. obovale, *Sow. Conch. Illust.* f. 4.

YOUNG. C. rubrum, *Reeve, Conch. Icon. Card.* t. 22. f. 124, not *Montague.*

a, b. Scotland.
c—h. Walton Marshes, Essex.
i—n. Lochfyne.
o. (Cardium ovale, *Sow.*) Britain.
p?—*r*?. Near Newcastle. Presented by J. Alder, Esq.

7. CARDIUM EXIGUUM.

Cardium exiguum, *Gmelin, S.N.* 3255 (from *List. Conch.* t. 317. f. 154 A); *Dorset Cat.* 31, t. 2. f. 11; *Mont. T. B.* 82; *Forbes, M. G. S.* i. 416. 61; *Linn. Trans.* viii. 61; *Turt. Conch. Dict.* 31; *Brit. Biv.* 186; *Flem. Brit. An.* 422; *Philippi, Moll. Sic.* i. 51 & ii. 38; *Hanley, Rec. Shells,* 135; *Reeve, Conch. Icon. Card.* t. 21. f. 121; *Macgilliv. Moll. Aberd.* 273; *Thorpe, Brit. Mar. Conch.* 97; *Brown, Ill. C. G. B.* 88; *Wood, Gen. Conch.* 212; *Dillw. Rec. Shells,* i. 114; *Lamk. Hist.* 2nd ed. vi. 408; *Leach, Ann. & Mag. N.H.* xx. 1847, 272; *Penn. B. Z.* ed. 1812, iv. 186. no. 2.

Card. pygmæum, *Donov. Brit. Shells,* t. 32. f. 3; *Forbes & Hanley, Brit. Moll.* ii. 29. t. 32. f. 8, and t. N. f. 2, animal.

YOUNG. Cardium muricatulum, *Mont. T. B.* 85; *Maton & Racket, Linn. Trans.* viii. 68; *Wood, Gen. Conch.* 215; *Dillw. R. S.* i. 131 (all from *Walker*), *Walker, M. Shells,* i. t. 32. f. 3.

a—t. Britain.
u—a a. Devonshire.
b b—h h. Falmouth. Presented by J. Alder, Esq.
i i—k k. Ditto. Presented by W. P. Cocks, Esq.

Gmelin's species is described from Lister's figure, which is marked as English.

8. CARDIUM SUECICUM.

C. Suecicum, *Lovèn, I. M.* 36. 269; *Forbes & Hanley, Brit. Moll.* 33. t. 32. f. 6; *Jeffreys, Ann. & Mag. N. H.* xix. 313, 1847.

C. Suediense, *Reeve, Conch. Icon. Card.* t. 22. f. 132, March 1845; near C. scabrum, *Phil. Journ.* ii. 38. t. 14. f. 16.

Cardium Loveni, *Thompson, Ann. N. H.* xv. 317. t. 19. f. 7, 1845, May.

a—c. Scotland.
d—f. Dublin.

**** LÆVICARDIUM.

9. CARDIUM NORVEGICUM.

Cardium Norvegicum, *Spengler, Skrift. Naturh. Selsk.* v. pt. 1. 42; *Lovèn, I. M.* 35. n. 264; *Forbes & Hanley, Brit. Moll.* ii. 35. t. 31. f. 1, 2. t. N. f. 1, animal.

Cardium serratum, *Lamk. Hist.* n. 25, ed. *Desh.* vi. 405; *Thorpe, M. C.* 99 (not *Linn., Chemn.* nor *Brug.*); *Turt. Brit. Biv.* 192. t. 13. f. 5.

Cardium lævigatum, *Penn. B. Zool.* ed. 4. iv. 77. t. 51. f. 40 (not *Linn. S. N.*); *Pulteney Hutch. Dorset*, 31; *Da Costa, Brit. Conch.* 178. t. 13. f. 6; *Don. B. S.* ii. t. 54; *Linn. Trans.* viii. 65; *Mont. T. B.* 80; *Wood, Gen. Conch.* 222. t. 54. f. 1; *Dorset Cat.* 31. t. 7. f. 6; *Poli, Test. Sic.* t. 17. f. 10, 11; *Forbes, M. G. S.* i. 416. 63 (not *Linn., Chemn.* nor *Lamk.*); *Philippi, Moll. Sic.* i. 50 & ii. 37; *Turt. Conch. Dict.* 31, *& Brit. Biv.* 190; *Flem. Brit. An.* 423; *Macgilliv. Moll. Aberd.* 273; *Brown, Ill. Con. G. B.* 88. t. 35. f. 12-15; *Dillw. Rec. Shells*, i. 123; *Mawe, Conch.* t. 7. f. 7 (young); *Hanley, Rec. Shells*, i. 133; *Leach, Ann. & Mag. N. H.* xx. 1847, 272.
List. Ang. t. 5. f. 32; *Conch.* t. 332. f. 169; *Pet. Gaz.* t. 93. f. 12.

VAR.

Card. Pennanti, *Beck, MSS.*; *Reeve, C. Icon. Card.* t. 9. f. 48.

Card. obliquum, *Brown, Ill. Con. G. B.* 88. t. 35. f. 16 (not *Chemn.*); *Reeve, Conch. Icon. Card.* t. 15. f. 71.

C. vitellinum, *Reeve, l. c. Card.* t. 7. f. 37.

Cerastes maculatus & Cerastoderma flava, *Poli*, ii. 253, 258.

a, b. Stevenston, Ayrshire.
c—f. Salcomb, Devon.
g. Scotland.
h. Falmouth. Presented by W. P. Cocks, Esq.
i—s. Salcomb, Devon.

Lovèn described three varieties:—

α. As long as high, subtrigonal, red-spotted behind. C. Pennanti, *Reeve*. C. serratum, *Turt*. C. lævigatum, *Thorpe*.

β. Longer than high, subovate. C. Norvegicum, *Spengler* = C. lævigatum jun., *Mont*.

γ. Higher than long, subovate, rather obtuse; ribs nearly obliterated. C. ——.

Fam. 4. MACTRADÆ.

Mactridæ, *Fleming, Brit. Anim.* 409, 1828; *Gray, Syn. B. M.* 1840, 1842, 75.

Mactradæ, *Gray, Proc. Zool. Soc.* 1848, 185; *Loudon, Mag. N. H.* i. 370, 1837; *Forbes & Hanley, Brit. Moll.* 349.

Les Mactracées (Mactracea), *Lamk. Cour.* 107; *Hist.* v. 466, ed. 2. v. 87.

Conchacés § 2. part., *Rang, Man. Moll.* 302.

Pylorides, part., *Blainv.*; *Rang, Man. Moll.* 322.

Mactracés, *Féruss. Prod.* 44.

Mactraceæ, *Hinds, Zool. Sulph.* 184.

Mactracidæ, *D'Orb. Moll. Canar.* 1836.

Veneridia heteroperia, *Rafin. Anal. Nat.*

Mactracea, *Menke, Syn.* 118; *Anton, Verz. Conch.* 12.

Mactrina, *Macgilliv. Moll. Aberd.* 217; *Milne-Edwards, Elem. Zool.*; *Brown, Conch. Text Book.*

Mactraceæ, *Berth.*

Callista and Callistoderma, part., *Poli, Test. Sicil.* 1791.

Trigonella, part., *Da Costa, Test. Brit.* 1778 (not *DeCand.* nor *Conrad*); *Humph. Mus. Calonn.* 1797.

a. MACTRINA. Mantle lobes free.

Mactraädæ, part., *Leach, Ann. & Mag. N. H.* xx. 1847, 272.

1. MACTRA.

Mactra, *Gray, Mag. Nat. Hist.* i. 370, 1837; *Wiegmann, Arch. N.* 1838, i. 86; *Proc. Z. Soc.* 1848, 185; *Sow. Gen.*

Mactra (stultorum), *Linn. S. N.* ed. 12. i. 1125; *Gmelin, S. N.* i. 3258; *Lamk. Syst.* 121, 1801; *Hist. A. s. V.* v. 471, ed. 2. vi. 96; *Forbes & Hanley, Brit. Moll.* 350.

Trigonella, part., *Da Costa, Brit. Shells*, 1778.

1. MACTRA STULTORUM.

Cardium stultorum, *Linn. S. N.* ed. 10, 681.

Mactra stultorum, *Linn. S. N.* ed. 12. i. 1125; *Gmel. L. S. N.* i. 3258; *Pulteney Hutch. Dorset*, 31; *Mont. T. B.* 94; *Linn. Trans.* viii. 69; *Don. B. S.* ii. t. 106; *Turton, Conch. Dict.*

81; *Brit. Biv.* 72; *Da Costa*, 196. t. 12. f. 3 = *Dorset Cat.* 32. t. 8. f. 3; *Brown, Ill. C.* 107. t. 15. f. 2; *Forbes, M. G. S.* i. 408. 10; *Flem. Brit. An.* 427; *Macgilliv. Moll. Aberd.* 287; *Thorpe, Brit. Mar. Conch.* 47; *Lam. Hist.* ed. 2. vi. 99 (part.) = *E. M.* t. 256. f. 3; *Mawe's Conchol.* t. 8. f. 5; *Gray, Mag. N. Hist.* i. 370; *Crouch, Introd. Conch.* t. 4. f. 4; *Poli, Sic.* t. 18. f. 10, 11, 12; *Sow. Conch. Man.* f. 79; *Dillw. Rec. Shells*, i. 138; *Chenu, Ill. Conch. Mactra*, t. 3. f. 3; *Hanley, Rec. Shells*, 29; *Forbes & Hanley, Brit. Moll.* i. 362. t. 22. f. 4, 6. t. 26. f. 2; *Leach, Ann. & Mag. N. H.* xx. 1847, 272; *Penn. B. Z.* ed. 1812, 193. t. 52. f. 1.

M. magna, *Woodward, Geol. Norf.* t. 2. f. 10 (fossil).

Tellina radiata, *Penn. Brit. Zool.* ed. 4. iv. 74. t. 49. f. 30.

Trigonella radiata, *Da Costa, Brit. Conch.* 196. t. 12. f. 3.

Callista discolor and Callistoderma stultorum, *Poli*, ii. 252, 258.

Var. M. cinerea, *Mont. T. B. Supp.* 35; *Turt. Brit. Biv.* 73; *Fleming, Brit. An.* 428; *Thorpe, Brit. Mar. Conch.* 47.

M. lactea, *Lamk.* 477 (not *Poli*).

M. straminea, *Lamk.* 477?

a, b. Romney.
c—e. Aberdeen. Presented by Professor Macgillivray.
f—r. Britain.
s, t. Redcar, Yorkshire.
u—w. Ilfracombe. Presented by J. E. Gray, Esq.
x. (young). Barmouth. Presented by Mrs. Robinson.
y—ff. (M. cinerea.) Britain.
g g. Ditto. Ilfracombe. Presented by J. E. Gray, Esq.

2. Mactra glauca.

Mactra glauca, *Spengler, Skrift. Nat. Selsk.* v. t. 3; *Gmelin, S. N.* i. 3260; *Donovan, B. S.* iv. t. 125; *Mont. T. B.* 571; *Linn. Trans.* viii. 68; *Dorset Catal.* 68; *Dillw. R. S.* i. 144; *Turton, Bivalves*, 80; *Wood, Cat.* t. 6. f. 30; *Fleming, B. A.* 428; *Thorpe, Brit. Mar. C.* 48; *Brown, Ill. C. G. B.* 107. t. 41. f. 1; *Penn. B. Z.* ed. 1812, iv. 192. no. 2.

M. Neapolitana, *Poli, Test. Sicil.* i. t. 18. f. 1, 2, 3.

M. helvacea, *Chemn. Conch.* vi. 234. t. 23. f. 232, 234; *Lamk. Hist.* ed. 2. vi. 99; *Philippi, Moll. Sicil.* i. 10, ii. 4; *Chenu, Mact.* t. 2. f. 4; *Forbes & Hanley, Brit. Moll.* i. 366. t. 23. f. 3.

Mactra ——, *Ency. Méthod.* t. 256. f. 1.

a. Dunbar. From. Col. Montagu's Collection.
b. Cornwall. Presented by Miss Pocock.

2. SPISULA.

Spisula (solida), *Gray, Loudon Mag. N. H.* i. 370, 1837; *Syn. B. M.* 1842, 92 (cop. *Wiegmann, Arch.* 1838, 86); *Sow. Man. Conch.* 101, ed. 2. 264.

Mactra, part., *Lamk. Hist. A. s. V.*; *Forbes & Hanley, Brit. Moll.* 351; *Leach, Ann. & Mag. N. H.* xx. 272.

Hemimactra (solidissima), part., *Swainson, Malac.* 369, 1840; *Sow. Conch. Man.* ed. 2. 260.

Trigonella, part., *Da Costa, Brit. Shells,* 1778.

* *Subequilateral.*

1. SPISULA SOLIDA.

Mactra solida, *Linn. Syst. Nat.* ed. 12. 1126; *Chemn. Conch. Cab.* vi. 230. t. 23. f. 229, 230; *Penn. B. Z.* ed. 4. iv. 78. t. 51. f. 43*a*, t. 52. f. 43; *Spengl. Skrif. Natur. Selsk.* pt. 2. 113; *Donov. B. S.* ii. t. 61. f. 1, 3, 4, 5; *Mont. Test. Brit.* 92; *Linn. Trans.* viii. 70; *Pulteney Hutchins' Dorset,* 31; *Dillw. Rec. Shells,* i. 140; *Dorset Cat.* t. 6. f. 6 (32. t. 12. f. 1); *Brown, Ill. C. G. B.* t. 15. f. 3, 4, 2nd ed. 108. t. 41. f. 3, 4; *Lamk. Hist.* ed. 2. vi. 104; *Forbes, M. G. S.* i. 408. 11; *Philippi, Moll. Sic.* i. 11, ii. 10; *Hanley, Recent Shells,* 31; *Turt. Conch. Dict.* 81; *Turt. Brit. Biv.* 67; *Fleming, Brit. An.* 426; *Macgilliv. Moll. Aberd.* 288; *Thorpe, Brit. Mar. Conch.* 46; *Ind. Test.* t. 6, *Mactra,* f. 21; *Forbes & Hanley, Brit. Moll.* i. 351. t. 22. f. 1–5, t. L. f. 2, siphons; *Leach, Ann. & Mag. N. H.* xx. 272.

Trigonella gallina, *Da Costa, Brit. Conch.* 199. t. 14. f. 6.

M. dubia & M. ovalis, *Sow. M. C.* t. 160, fossil.

M. striata, *Smith, Wern. Mem.* viii. t. 1. f. 22, fossil.

Mactra truncata, *Turt. B. B.* 68 (not *Montag.*); *Forbes, M. G. S.* i. 408. 12.

M. crassatella, *Lam.* 33.

Trigonella zonaria, *Da Costa, Brit. Conch.* 197. t. 15. f. 1.

Spisula solida, *Gray, Mag. N. H.* i. 373.

List. Ang. t. 4. f. 24, adult.

a, b. Frith of Forth. Presented by General Bingham.

c. Youghal. Presented by Miss Warne.

d—n. Tenby and Dawlish.

o. Devon.

p, q. Teignmouth.

r. Britain. From the Collection of Col. Montagu.

2. SPISULA TRUNCATA.

Mactra truncata, *Mont. Test., Brit. Supp.* 34 (not *Turt. Brit. Biv.*); *Turt. Conch. Dict.* 81; *Flem. Brit. An.* 427; *Thorpe, Brit. Mar. Conch.* 46; *Dillw. Rec. Shells,* i. 140; *Hanley, Rec. Shells,* 32, *Supp.* t. 9. f. 1; *Forbes & Hanley, Brit. Moll.*

i. 354. t. 23. f. 1; *Leach, Ann. & Mag. N. H.* xx. 272; *Penn. B. Z.* ed. 1812, iv. 196. no. 13.
M. subtruncata, *Donov. Brit. Shells*, iv. t. 126.
M. crassa, *Turt. Brit. Biv.* pp. 69, 258. t. 5. f. 7 (adult).
Spisula crassa, *Gray, Mag. N. H.* i. 373.
Lister, Hist. Conch. t. 253. f. 87.
a—c. Kingsbridge.
d—f. Loch Fyne.
g—h. Yorkshire.
i—k. Scotland.
l—n. var.? small. Scotland.

3. SPISULA ELLIPTICA.

Mactra elliptica, *Brown, Ill. Conch.* t. 15. f. 6, ed. 2. 108. t. 41. f. 6; *Forbes, Malac. Mon.* 48; *Macg. Moll. Aberd.* 280; *Thorpe, Brit. M. C.* 244. f. 28; *Lovèn, I. M. Skand.* 45. 317; *Forbes & Hanley, Brit. Mar. Conch.* i. 356. t. 22. f. 3, t. L. f. 1, animal.
Mactra solida (part.), *Donov. Brit. Shells*, ii. t. 61. f. 2.
a—e. Sunderland.
f—h. Britain.
i. Ilfracombe. Presented by J. E. Gray, Esq.
j—n. Weymouth.
o—r. Whitby. Presented by J. Fryer, Esq.
s—u.? Britain.

** *Inequilateral.*

4. SPISULA SUBTRUNCATA.

Mactra subtruncata, *Mont. T. B.* 93. *Supp.* 37. t. 27. f. 1; *Linn. Trans.* viii. 71. t. 1. f. 11; *Dorset Cat.* 32. t. 5. f. 10; *Penn. B. Z.* ed. 1812, iv. 194. t. 55. f. 1; *Da Costa, Brit. Conch.* 198; *Brown, Ill. C.* t. 15. f. 7, 2nd ed. 108. t. 41. f. 7; *Philippi, Abbild. und Bes. Mactra*, t. 1. f. 4; *Forbes, M. G. S.* i. 408. 13; *Lovèn, I. M.* 45. 318; *Mawe's Conchol.* t. 8. f. 4; *Turt. Conch. Dict.* 82; *Turt. Brit. Biv.* 70; *Flem. Brit. An.* 427; *Macgilliv. Moll. Aberd.* 289; *Thorpe, Brit. Mar. Conch.* 47; *Ind. Test.* t. 6. f. 23; *Forbes & Hanley, Brit. Moll.* i. 358. t. 21. f. 8, t. 22. f. 2, t. L. f. 3, siphons (not M. deltoidea, *Lam.*); *Leach, Ann. & Mag. N. H.* xx. 1847, 272.
M. limbata, *Menke.*
Trigonella subtruncata, *Da Costa*, 198.
M. stultorum, *Penn. B. Z.* ed. 4. iv. 78. t. 52. f. 42.
M. truncata, *Brown, Ill. C.* t. 15. f. 5.
?M. triangula, *Renieri*; *Brocchi*, t. 13. f. 7; *Philippi, Moll. Sic.* i. 11, ii. 10; *Hanley, Recent Shells, Supp.* t. 10. f. 40.
M. lactea, *Poli, Test. Sic.* t. 18. f. 13, 14 (not *Lam.*).
M. cuneata, *Sow. M. C.* t. 160. f. 7; *Woodw. Geol. Norf.* 62. f. 10.

M. crassatella, *Lamk. Hist.* ed. 2. vi. 107 (var.); *Deless. Rec. Coq.* t. 3. f. 6.

Spisula subtruncata, *Gray, Mag. N. H.* i. 373.

VAR. Mactra striata, *Brown, Ill. Conch. G. B.* 108. t. 41. f. 10; *Forbes & Hanley, Brit. Moll.* i. 361.

a—i. Kingsbridge.

Mactra subtruncata, *Leach.*

j. Cork. Presented by Miss Warne.

b. LUTRARIANA. Mantle lobes united beneath.

Myadæ, part., *Leach, MSS.* 1818; *Ann. & Mag. N. H.* xx. 1847, 272.

3. LUTRARIA.

Lutraria, *Lamk. Prod.* 1799; *Syst. A. s. V.* 1801; *Hist. A. s. V.* v. 467, ed. 2. vi. 88; *Schum. N. S.* 1817; *Gray, Mag. N. H.* i. 1837; *Leach, Ann. & Mag. N. H.* xx. 272; *Forbes & Hanley, Brit. Moll.* i. 369.

Lutricola, *Blainv.*, not *Goldf.*

Cultellus (oblonga), *Sow. Man. Conch.* ed. 2. 129 (not *Schum.* nor *Conrad*).

Lutraria, *Herrmannsen, Ind.* 633.

Lutraria (Lutraria), *Megerle, Entw.* 46, 1811.

Psammophila (oblonga), *Leach, MSS.* fide *Brown, Brit. Conch.*

Mya (subgenus), *Cuvier, R. A.* 1817, 1830.

* *Shell ovate, rather gaping behind.*

1. LUTRARIA ELLIPTICA.

Mactra Lutraria, *Linn. Syst. Nat.* ed. 12. 1126; *Chemn. Conch. Cab.* vi. 239. t. 24. f. 240, 241; *Pulteney Hutchins' Hist. Dors.* 32; *Dorset Cat.* 33. t. 5. f. 11; *Turt. Conch. Dict.* 84; *Linn. Trans.* viii. 73; *Mont. Test. Brit.* 99; *Donov. B. S.* ii. t. 58; *Penn. B. Z.* ed. 4. iv. 78. t. 52. f. 44, ed. 1812, t. 55. f. 3; *Dillw. Rec. Shells,* 146; *Wood, Linn. Trans.* vi. t. 16. f. 3, 4; *Hanley, Rec. Shells,* 26; *Philippi, Moll. Sic.* i. 9 & ii. 7; *Desh. Exp. Sc. Alg. Moll.* t. 33, 35, 36, animal.

Lutraria elliptica, *Lamk.* ed. 2. vi. 90; *Brown, Ill. Conch. G. B.* t. 12. f. 3. ed. 2. 109. t. 43. f. 3, 4; *Turt. Brit. Biv.* 65; *Thorpe, Brit. Mar. Conch.* 45; *Macgilliv. Moll. Aberd.* 291; *Forbes. M. G. S.* i. 409. 15; *Forbes & Hanley, Brit. Moll.* i. 370. t. 12, t. II. f. 2, animal; *Chenu, Ill. Conch. Lutrar.* t. 1. f. 10; *Leach, Ann. & Mag. N. H.* xx. 272.

L. vulgaris, *Flem. B. A.* 464.

Mactra, *Ency. Méth. Vers,* t. 258. f. 3.

List. Ang. t. 4. f. 19; *Conch.* t. 415. f. 259.

a—k, old and young. Britain.

l. Scarborough. Presented by J. E. Gray, Esq.

** *Shell widely gaping behind; lozenge without any posterior ridge; lateral teeth distinct.* Psammophila, *Leach.*

2. LUTRARIA OBLONGA.

Lutraria oblonga, *Turt. Biv.* 64. t. 5. f. 6; *Thorpe, Brit. Mar. Conch.* 44; *Forbes & Hanley, Brit. Moll.* i. 374. t. 13. f. 1.
Mya oblonga, *Gmelin, S. N.* 3221; *Chemn. Conch. Cab.* vi. 27. t. 2. f. 12.
Mactra hians, *Pulteney Hutchins' Dors.* 32; *Dorset Cat.* 33. t. 2. f. 4; *Donov. B. S.* iv. t. 140; *Wood, Linn. Trans.* vi. t. 16. f. 5, 6; *Ind. Test.* t. 6. f. 37; *Mont. T. B.* 101; *Linn. Trans.* viii. 74; *Turt. Dict.* 85. f. 41; *Dillw. Rec. Shells*, i. 146; *Penn. B. Z.* ed. 1812, iv. 196. no. 12.
Chama magna, *Da Costa, Brit. Conch.* 230. t. 17. f. 4.
Lutraria Solenoides, *Lamk. Hist.* 2nd ed. vi. 90; *Brown, Ill. C.* t. 12. f. 1, 2nd ed. 109. t. 43. f. 1; *Blainv. Man.* t. 77. f. 3; *Sow. Gen.* f. 1; *Conch. Man.* f. 78; *Hanley, Rec. Shells*, i. 26; *Chenu, Ill. Conch. Lutrar.* t. 1. f. 9; *Desh. Exp. Sc. Alg. Moll.* t. 31, 32, animal; *Leach, Ann. & Mag. N. H.* xx. 272, 1847.
L. hians, *Flem. B. A.* 465.
Lutricola solenoides, *Blainv. Man.* t. 77. f. 3.
" Psammophila solenoides, *Leach MSS.*," *Brown*; *Gray, Ann. & Mag. N. H.* 1847.
a—c. Britain.
d. Ditto. Presented by Mrs. Robinson.
Lateral teeth are distinct in the young, but they disappear as the animal approaches maturity.

Fam. 5. TELLINIDÆ.

Tellinides (or Tellinidæ), *Latr. Fam. Nat.* 1825; *Desh. Ency. Méth.* iii. 1830.
Tellinidæ, *Gray, Syn. B. M.* 1840, 1842, 75, 91; *Proc. Zool. Soc.* 1848, 186; *D'Orb. Pal. Franç.* 1844; *Swains. Malac.* 369, 1840; *Forbes & Hanley, B. M.* i. 269.
Les Conchacées, part., et Les Lithophages, part., *Lamk. Cour.* 107, 1812.
Les Mactracées, part., *Lamk. Hist.* v. 467, ed. 2. vi. 87.
Les Nymphacées, *Lamk. Hist.* v. 509, ed. 2. vi. 165; *Féruss. Prod.* 43.
Conchacés § 2, part., *Rang, Man. Moll.* 304.
Pylorides, part., *Rang, Man. Moll.* 322.
Veneridia Isoperia, part., *Rafin. Anal. Nat.* 1815.
Nymphacea, *Menke, Syn.* 111.
Tellinacea, *Anton, Verz. Conch.* 12.
Tellinina, *Macgilliv. Moll. Aberd.* 214.
Tellinacées (Tellinacea), *Blainv. Bull. Soc. Phil.* 1814, 179.

Tellinaceæ, *Oken, Isis*, 1818, 1681.
Tellinoidæ, *Agassiz, Nomencl.*
Tellinidea, *Swainson, Elem. Conch.* 1835.
Tellinides, *Lamk. Hist. A. s. V.* v. 535, 1818, ed. 2. vi. 215; *Desh. E. M.* iii. 1021; *Sow. Man.* 104, ed. 2. 270; *Gray, Ann. Phil.* ix. 136.
Tellinina, *Milne-Edw. Elem. Zool.* 1841; *Macgilliv. Conch. Text-Book*, 202; *Moll. Aberd.* 1843.
Tellininæ, *Swains. Mal.* 371, 1840.
Psammobiadæ, part., *Flem. B. A.* 409, 437, 1828.
Psammobioidæ, part., *Agass. Nomenc.*
Donacidæ, *Forbes & Hanley, Brit. Moll.* 331.
Veneriadæ, part., *Leach, Ann. & Mag. N. H.* xx. 272.

A. Tellinina.

1. Psammobia.

Psammobia (Gari), *Lamk. Hist. A. s. V.* v. 511, 1818, ed. 2. vi. 171; *Blainv. D. S. N.* xliii. 476 (not *Risso, E. M.* iv. 375); *Sow. Gen.*; *Desh. E. M.* iii. 154; *Forbes & Hanley, Brit. Moll.* 271.
Gari, *A. Schum. N. Syst.* 1817.
Solen (Gari), *Megerle*, 1811.
Peronæa et Peronæoderma, *Poli, Test. Sicil.*
Azor, part. (vespertinus), *Leach MSS.* 1818; *Ann. & Mag. N. H.* xx. 272.
Psammothea, *Cuvier, R. A.* ed. 2; *Voigt.* iii. 566.
Psammotea, *Férussac, Tab. Syst.* 43, 1821; *Schweiger, Naturg.* 705; *Blainv. Man.* 349.
Psammotæa (zonalis), *Lamk. Hist. A. s. V.* v. 516, 1818, ed. 2. vi. 180.
Psammocola (section), *Blainv. Dict. Sci. Nat.* xxxii. 349, 1824; *Malac.* 567; *Leu, Proc. Phil. Soc.* iii. 165.

* Azor.

1. Psammobia vespertinus (The Setting Sun).

Solen pictus, *Spengler, Skrift. Nat. Selsk.* ii. 107 (partly?).
Lux vespertina, *Chemn. Conch.* vi. 72. t. 7. f. 59, 60.
Solen vespertina, *Gmel. S. N.* 3228; *Mont. T. B.* 54; *Linn. Trans.* viii. 47; *Wood, G. Conch.* 135. t. 32. f. 2, 3; *Turton, Dict.* 163; *Penn. B. Z.* ed. 1812, iv. 174. t. 50. f. 2.
Psammobia vespertina, *Lamk. Hist.* vi. 173. n. 3; *Turt. Biv.* 92. t. 6. f. 10, young; *Brown, Ill. C.* t. 16. f. 3, ed. 2. 102. t. 40. f. 3; *Philippi, Sicil.* i. 22, ii. 21.
Sanguinolaria vespertina, *Thorpe, Brit. Mar. Conch.* 65; *Flem. B.*

A. 461; *Lovèn*, 42. 302; *Forbes & Hanley, Brit. Moll.* i. 271. t. 19. f. 1, 2.
P. florida, *Lamk. Hist.* vi. 174. n. 4.
Tellina depressa, *Penn. B. Z.* ed. 4. iv. 73. t. 47. f. 27 (not *Linn.*).
T. albida, *Dillwyn, R. S.* 78 (not *Linn.*).
Tel. variabilis, *Pult. Dors.* 29; *Don. B. S.* ii. t. 41. f. 2.
Tellina Gari, *Poli, Sic.* t. 15. f. 19, 21, 22 (not *Linn.*).
Tel. radiata, *Linn. F. S.* ed. 2 (not *Syst. Nat.*).
Azor variabilis, *Leach, Ann. & Mag. N. H.* xx. 272.
a, b. Loch Ranza. Presented by the Rev. D. Landsborough.
c—e., *f—i.* } Britain.
j. Loch Ryan.
k. Dublin Bay. Presented by T. Warren, Esq.

** PSAMMOBIA.

2. PSAMMOBIA FERROENSIS.

Tellina Feroensis, *Gmelin, S. N.* 3236; *Mont. T. B.* 55; *Philippi*, 23. t. 3. f. 7; *Born.* t. 2. f. 6.
T. radiata, *Da Costa*, 209. t. 14. f. 1; *Brown, Ill. C.* t. 16. f. 1, 2.
Psammobia feröensis, *Lamk. Hist.* ed. 2. vi. 172; *Lovèn, I. M.* 42; *Forbes, M. G. S.* i. 410. 28; *Turt. Biv.* t. 8. f. 1; *Leach, Ann. & Mag. N. H.* xx. 272.
T. ferröensis, *Chemn.* vi. t. 10. f. 91; *Pult. Dors.* 29; *Penn. B. Z.* ed. 1812, iv. 177. t. 50. f. 3.
Tellina trifasciata, *Don. B. S.* t. 60 (not *Gmelin*).
T. truncata, *Spengler* (not *Linn.*).
T. incarnata, *Linn. F. S.* ed. 2 (not *Syst. Nat.*); *Penn. B. Z.* ed. 4. iv. t. 47. f. 31.
T. muricata, *Brocchi*, 511. t. 12. f. 2.
Psammobia ferroensis, *Forbes & Hanley, Brit. Moll.* i. 274. t. 19. f. 3.
List. Hist. Conch. t. 394. f. 241; *Ang.* 19. t. 1. f. *a*.
a—c. Dublin Bay. Presented by T. Warren, Esq.
d—m. Britain.
n, o. Scotland.
p, q. Britain. Presented by Mrs. Robinson.

*** PSAMMOBELLA.

3. PSAMMOBIA TELLINELLA.

Psammobia Tellinella, *Lamk. Hist.* vi. 177. n. 1; *Thorpe, Mar. Conch.* 62; *Brown, Ill. Conch.* 102. 133. t. 39. f. 30; *Lovèn, I. M.* 42. 303; *Forbes & Hanley, Brit. Moll.* 277. t. 19. f. 4, t. K. f. 1, animal.

P. florida, *Turt. Biv.* 86. t. 6. f. 9 (not *Lam.*); *Flem. B. A.* 437.
a—c. Bantry Bay.
d, e. Scotland.
f—p. Britain.

4. PSAMMOBIA COSTULATA.

Psammobia costulata, *Turt. Biv.* 87. t. 6. f. 8; *Flem. B. A.* 437; *Thorpe, Mar. Conch.* 62; *Brown, Ill. C.* 102. 133. t. 39. f. 34; *Forbes & Hanley, Brit. Moll.* i. 279. t. 19. f. 5; *Philippi, Moll.* ii. 21; *Neu Conch.* t. 1. f. 3, 4.
P. discors, *Philippi*, i. 23. t. 3. f. 8; *Jeffreys, Ann. & Mag. N. H.* xix. 314.
Hab. ——?

2. DIODONTA.

Diodonta, *Desh. Exp. Algér.* t. 68; *Forbes & Hanley, Brit. Moll.* i. 283 (not Didonta, *Schum.* nor Diodonta, *Agassiz, Nomenclat.*).
Petricola, sp., *Lamk. Hist.*
Psammotæa, sp., *Lamk. Hist.*
Psammobia, sp., *Turton, Bivalves*, 88; *Brown, Ill. C. G. B.*

1. DIODONTA FRAGILIS.

Tellina fragilis, *Linn. S. N.* 1117; *Chemn. Conch.* vi. 95. t. 9. f. 84 *Turt. Conch. Dict.* 166. f. 18; *Poli*, t. 15. f. 22, 24; *Dillw. R. S.* i. 78; *Wood, Cat.* t. 3. f. 7; *Philippi in Wiegm. Arch. Natur.* 1845, 190. t. 7. f. 19, 20; *Anim. Moll. Sicil.* i. 27, ii. 22.
Psammobia fragilis, *Turt. Biv.* 88. t. 7. f. 11, 12; *Flem. B. A.* 438; *Thorpe, Mar. Conch.* 62.
Tell. jugosa, *Brown, Wern. Trans.* ii. 506. t. 24. f. 2.
Psammobia jugosa, *Brown, Ill. C.* t. 16. f. 4, 5, 6.
Petricola ochroleuca, *Lamk. Hist.* vi. 157; *Payraud. Cors.* t. 1. f. 9, 10; *Sow. Gen.* f. 4; *Desh. Elem.* t. 12. f. 13; *Thorpe, M. C.* xxvi.
Peronæa sanguinolenta & Peronæoderma fragilis, *Poli*, ii. 252, 257.
Psammobia Tarentina, *Lamk. Hist.* vi. 183; *Deless. Rec. Coq.* t. 5. f. 11.
Tellina ochroleuca, *Wood, Cat. Supp.* t. 1. f. 6.
Diodonta fragilis, *Desh. Exp. Algérie, Moll.* t. 68, animal; *Forbes & Hanley, Brit. Moll.* i. 284. t. 21. f. 2, t. K. f. 2, animal.
JUNIOR? Tellina polygona, *Mont. T. B. Supp.* 27. t. 28. f. 4, cop. *Wood, Cat.* t. 4. f. 80, and *Brown, Ill. Conch.* 102. t. 39. f. 33; *Turt. Dict.* 180; *Thorpe, Mar. Conch.* 63 B; *Penn. B. Z.* ed. 1812, iv. 185. no. 25.
Psammobia polygona, *Turt. Biv.* 96; *Flem. B. A.* 439.
T. Guinaica, *Dillw. R. S.* i. 96.
Diodonta fragilis, junior? *Forbes & Hanley, Brit. Moll.* 286, note.
a—c. Bantry.

3. Tellina.

Tellina (part.), *Linn. S. N.* ed. 10, 674, 1758; ed. 12, 1126, 1767.
Tellina (radiata), *Brug. Ency. Méth.* t. 287, 1792; *Lamk. Syst.* 124, 1801; *Schum. Essai*, 161, 1817; *Forbes & Hanley, Brit. Moll.* 286.
Peronæa, sp. *Poli, Test. Sicil.*
Psammotæa, part., *Lamk. Hist. A. s. V.* 1818.
Angulus (lanceolata), *Megerle, Entw.* 47, 1811.
Macoma (tenera), *Leach, in Ross's Voy. Baffin's Bay*, i. 175, 1819; *Journ. Phys.* lxxxviii. 465, 1819; *Couch, Man.* ed. 2. 180; *Blainv. Mal.* 558, 1825.
Macroma, *Gray, P. Z. Soc.* 1848, 106 (error of press); *Forbes & Hanley, Brit. Moll.* 307.
Psammotea (solidula), *Turton, Bivalves*, 1822.
Tellinides (timorensis), *Lamk. Hist. A. s. V.* v. 535 (1818), ed. 2. vi. 215; *Recluz, Rev. Zool.* 1846, 146.
Tellinides (roseus), *Sow. Gen.* f. 1; *Man.* i. 104, ed. 2. 270.
Omala (planata), *Schum. Essai*, 128, 1817.
Homala (planata), *Agassiz, Nomencl.*
Phylloda (foliacea), *Schum. Essai*, 148, 1817.
Phyllode (foliacea), *Blainv. D. S. N.* xl. 107 (misprint).
Arcopagia (crassa), *Leach*, 1816; *Brown, Ill. Conch.* t. 16. f. 8; *D'Orb. Voy. Amér. Mérid.*
Tellina β. (scobinata), *Megerle, Entw.*
Solecurtus (solida), *Gray, Spic. Zool.*

* Arcopagia.

Arcopagia, *Leach, Ann. & Mag. N. H.* xx. 272; *Brown, Ill. Conch.*

1. Tellina crassa.

Lister, Conch. t. 299. f. 136.
Venus crassa, *Gmelin, S. N.* 3288.
Tellina crassa, *Penn. B. Z.* ed. 4. iv. 73 (not figure); *Lam. Hist.* vi. 201. n. 35; *Mont. T. B.* 65; *Linn. Trans.* viii. 55; *Lovèn, I. M.* 41. 296; *Forbes, M. G. S.* i. 410. 27; *Forbes & Hanley, Brit. Moll.* i. 288. t. 20. f. 1, 2; *Turton, Dict.* 173; *Bivalves*, 109. t. 7. f. 2; *Flem. B. A.* 436; *Macgill. Moll. Aberd.* 280; *Thorpe, Mar. Conch.* 80; *Wood, Conch.* 186. t. 40. f. 1; *Cat.* t. 4. f. 75; *Thomp. Rep. B. Assoc.* 1843, 261.
T. rigida, *Pulteney, Dors. Cat.* 30; *Don. B. S.* 111. t. 103.
Pectunculus depressior, *Da Costa*, 194. t. 13. f. 4. *right hand.*
Tellina obtusa, *Sow. M. C.* t. 179. f. 4.
Arcopagia crassa, *Leach*, 1818, *Ann. & Mag. N. H.* xx. 272; *Brown, Ill. Conch.* t. 16. f. 8, ed. 2. 99. t. 40. f. 8.
A. ovata, *Brown, Ill. C.* t. 16. f. 9–10, ed. 2. 99. t. 40. f. 9–10, junior?

Tellina maculata, *Adams, Linn. Trans.* iii. 252? *Linn. Trans.* viii. 48?; *Turt. Dict.* 173. f. 13; *Bivalves*, 108. t. 6. f. 7; *Flem. B. A.* 436; *Thorpe, Mar. Conch.* 70; *Wood, Conch.* 153.
T. scabra, *Chemn. Conch.* vi. t. 10. f. 94.
a—l. Plymouth Sound and Devonshire Coast.
m. Britain. Presented by Mrs. Robinson.
n. Dublin Bay. Presented by T. Warren, Esq.

2. TELLINA BALAUSTINA.

Tellina balaustina, *Linn. S. N.* 1119; *Poli, Test. Sicil.* i. 14. f. 17; *Desh. in Lamk.* vi. 209; *Philippi, Sicil. Moll.* i. 25 & ii. 21; *Hanley, Recent Shells*, 72, *Supp.* t. 9. f. 17; *Thompson, Ann. N. H.* xviii. 385; *Jeffreys, Ann. & Mag. N. H.* xix. 313, 1849; *Forbes & Hanley, Brit. Moll.* i. 290. t. 21. f. 2; *Hanley in Sow. Thes. Conch.* i. 253. t. 56. f. 10.
Lucina balaustina, *Payraud. Moll. Cors.* t. 1. f. 21, 22.
Hab. Connemara and Isle of Skye; Falmouth.

** *Elongate.* DONACILLA.

3. TELLINA DONACINA.

Tellina donacina, *Linn. S. N.* i. 1118; *Lam. Hist.* vi. 198. n. 27; *Poli*, i. t. 15. f. 10; *Mont. T. B.* 58. t. 27. f. 3; *M. & R. Linn. Trans.* viii. 50. t. 1. f. 7; *Dors. Cat.* 29. t. 12. f. 3 B; *Pulteney, in Hutchins' Hist. Dorset*, 29; *Wood, G. Conch.* 161. t. 45. f. 5; *Cat.* t. 4. f. 31; *Turt. Biv.* 103. t. 8. f. 4; *Dict.* 170; *Flem. B. A.* 435; *Thorpe, Mar. Conch.* 67; *Brown, Ill. C. G. B.* t. 16. f. 16, ed. 2. 101. t. 40. f. 16; *Desh. Elem.* t. 14. f. 1, 2, 3; *Exp. Sci. Algérie, Moll.* t. 69. f. 1, 3; *Philippi, Moll. Sicil.* i. 24, ii. 21; *Forbes & Hanley, Moll.* ii. 292. t. 20. f. 3, 4, t. K. f. 4, animal; *Dillw. Recent Shells*, i. 89; *Hanley, Recent Shells*, 64; *ditto in Sow. Thes. Conch.* i. 232. t. 56. f. 12, t. 66. f. 259; *Leach, Ann. & Mag. N. H.* xx. 272; *Penn. B. Z.* ed. 1812, iv. 178. no. 5.
T. variegata, *Poli*, i. t. 15. f. 10.
T. subcarinata, *Broc.* 512. t. 12. f. 5.
T. Lantivyi, *Payr. Cat. Cors.* 40. t. 1. f. 10, 14, 15.
T. trifasciata, *Penn. B. Z.* ed. 4. iv. 75. no. 33 (not *Linn.*).
a—c. Scotland.
d, e. Loch Ryan. Presented by the Rev. D. Landsborough.
f. Dublin Bay. Presented by T. Warren, Esq.
g—i. Shetland Isles. Presented by J. T. Irvine, Esq.

4. TELLINA PYGMEA.

Tellina pygmea, "*Philippi MSS.*" *in Lovèn, Ind. Moll. Suec.* 42. 300; *Alder, Cat. Northumb.* 88; *Jeffreys, Ann. N. H.* xx. 18; *Forbes & Hanley, Moll. Brit.* ii. 295. t. 19. f. 6 7.

Like *T. donacina*, but smaller, more tumid, the pallial sinus less produced, and the front cardinal teeth more remote.

a—h. Arran.

i—m. Cape Wrath, Orkney. Presented by R. McAndrew, Esq.

n—p. Holy Island. Presented by J. Alder, Esq.

*** Fabulina.

5. Tellina incarnata.

T. incarnata, *Linn. S. N.* 1118, *fide Mus. Linn.*; *Poli*, i. t. 15. f. 1. (not *Linn. F. S.*, *Penn.* nor *Dillw.*); *Hanley, Thes. Conch.* i. 283. t. 60. f. 142, t. 66. f. 265; *Forbes & Hanley, Brit. Moll.* i. 298. t. 20. f. 5.

T. squalida, *Pult. Dors.* 29; *Mont. T. B.* 56; *Flem. B. A.* 436.

Tellina depressa, *Gmel.* 3238; *Lam. Hist.* vi. 195. n. 22; *Brown, Conch.* ed. 1. t. 16. f. 12, ed. 2. 100. t. 40. f. 12; *Wood, G. Conch.* 171. t. 45. f. 3; *Turt. Biv.* 105. t. 8. f. 6; *Phil. Moll. Sicil.* i. 27, ii. 22; *Dillw. R. S.* i. 91; *Donov. B. Shells*, v. t. 163; *Linn. Trans.* viii. 51; *Turt. Dict.* 171; *Bivalves*, 105; *Thorpe, Mar. Conch.* 68; *Penn. B. Z.* ed. 1812, 179. no. 8.

a—k. Britain.

6. Tellina tenuis.

Tellina incarnata, *List. Conch.* t. 405. f. 251; *Chemn. Conch.* vi. 119. t. 12. f. 110, not *Linn.*; *Dillw. R. S.* i. 87.

T. planata, *Penn. B. Z.* ed. 4. iv. 74. t. 48. f. 29 (not *Linn.*); *Forbes, M. G. S.* i. 410. 28; *Burrows, Elem.* t. 5. f. 3.

T. balaustina, *Dillw. R. S.* i. 93 (not *Linn.*).

T. carnaria, *Born. Mus.* (not *Linn.*).

T. polita, *Pult. Cat. Dors.* 29.

Tellina tenuis, *Da Costa*, 210; *Chemn.* f. 117; *Don. B. S.* i. t. 19. fig. 3. *lower*; *Lam. Hist.* vi. 197. n. 25; *Mont. T. B.* 59; *Linn. Trans.* viii. 52; *Turton, Dict.* 169; *Bivalves*, 107; *Flem. B. A.* 436; *Thorpe, Mar. Conch.* 68; *Brown, Ill. Conch.* 100. t. 40. f. 19; *Wood, Conch.* 155. t. 44. f. 3, 4; *Cat.* t. 3. f. 22; *Philippi, Sicil.* i. 26, ii. 22; *Forbes & Hanley, Moll. Brit.* i. 300. t. 19. f. 8, t. K. f. 3, animal; *Lovèn, I. M.* 41. 298; *Leach, Ann. & Mag. N. H.* xx. 272; *Penn. B. Z.* ed. 1812, 180. t. 51. f. 2.

Var. T. exigua, *Poli, Test. Sicil.* t. 15. f. 15–17.

a—h. Aberdeenshire. Presented by Professor Macgillivray.

i, k. Southampton.

l—c c. Britain.

d d—i i. Edinburgh. Presented by Miss Greville.

7. TELLINA FABULA.

Tellina fabula, *Gronov. Zoophyl.* 263. no. 1111. t. 18. f. 9; *Gmelin*, 3239; *Lam. H.* ed. 2. vi. 197; *Wood, G. Conch.* 156. t. 45. f. 4; *Ind. Test.* t. 3. f. 23; *Mont. T. B.* 61; *Linn. Trans.* viii. 52; *Dorset Cat.* 30. t. 12. f. 3, 3 *a*; *Forbes, M. G. S.* 411. 32; *Brown, Ill. Conch. G. B.* t. 16. f. 19, 2nd ed. t. 40. f. 18; *Wood, Gen. Conch.* 156. t. 45. f. 4; *Turt. Conch. Dict.* 170; *Brit. Biv.* 101; *Flem. Brit. An.* 435; *Macgill. Moll. Aberd.* 280; *Thorpe, Brit. Mar. Conch.* 66; *Philippi, Moll. Sic.* i. 26. t. 3. f. 10, ii. 22; *Forbes & Hanley, Brit. Moll.* i. 302. t. 19. f. 9, var. t. 26. f. 3; *Donov. B. S.* t. 97; *Dillw. Recent Shells*, i. 91; *Rees, Cyclop. Shells*, t. 5; *Deless. Rec. Coq.* t. 6. f. 5; *Hanley, Recent Shells*, 64; *ditto in Sow. Thes. Conch.* i. 287. t. 57. f. 62; *Ann. & Mag. N. H.* xx. 272; *Penn. B. Z.* ed. 1812, 179. no. 9.

T. discors, *Pulteney, Dors.* 54.

"T. semistriata, *Solander*," *Montag.*

Tellina vitrea, *Gmelin.*

a—k. Britain.

l—w. Aberdeenshire. Presented by Professor Macgillivray.

x—b b. Red Car.

c c—ff. Edinburgh. Presented by Miss Greville.

**** MACOMA, *Leach.*

8. TELLINA CARNARIA.

T. carnaria, *Penn. B. Z.* ed. 4. iv. 74. t. 49. f. 32, 32 A (not ed. 1812, nor *Linn.*); *Fleming, Brit. An.* 438.

T. rubra, *Da Costa*, 211. t. 12. f. 4.

Tellina solidula, *Pulteney Hutchins' Hist. Dors.* 29; *Dorset Cat.* 29. t. 8. f. 4; *Mont. T. B.* 63; *Linn. Trans.* viii. 58; *Lovèn, Moll. Suec.* t. 41; *Lam. H.* ed. 2. vi. 206; *Index Testac.* t. 4. f. 84; *Turt. Conch. Dict.* 177; *Macgill. Moll. Aberd.* 279; *Thorpe, Brit. Mar. Conch.* 70; *Brown, Ill. Conch. G. B.* 101. t. 40. f. 14; *Wood, Gen. Conch.* 193. t. 46. f. 2; *Hanley, Recent Shells*, 70; *ditto in Sow. Thes. Conch.* 318. t. 59. f. 109, 110; *Forbes & Hanley, Brit. Moll.* i. 304. t. 20. f. 6; *Ann. & Mag. N. H.* xx. 272; *Penn. B. Z.* ed. 1812, 184. t. 52. f. 2, 2 A.

? T. zonata, *Dillw. R. S.* i. 100 (not *Gmelin*)=*List. Ang.* t. 4. f. 25; *List. Conch.* f. 250, 251.

T. Balthica, *Gmel.*?; *Philippi, Moll. Sic.* i. 28, ii. 22; *Forbes, Mem. Geol. Surv.* i. 411. 29.

Psammobia solidula, *Turt. Brit. Biv.* 95. t. 8. f. 2.

a—j. Aberdeenshire. Presented by Professor Macgillivray.

k. Falmouth. Presented by W. P. Cocks, Esq.

l—o. New Romney.

p, q? var.? Edinburgh. Presented by Miss Greville.

Montagu considers this the *T. incarnata*, Linn., *Chemn.* v. f. 110.

9. TELLINA TENERA.

Macoma tenera, *Leach, App. Ross Voy. Baffin's Bay*, i. 175, 1819; *Journ. Phys.* lxxxviii. 465, 1819.
Tellina proxima, *Gray, Zool. Beech. Voy.* 154. t. 44. f. 4; *Smith, Wern. Trans.* viii. 105. t. 1. f. 21; *Macg. Aberd.* 340; *Thorpe, M. C.* 246; *Jeffreys, Ann. N. H.* xx. 19; *Philippi, Neu Conch.* ii. *Tellina*, t. 5. f. 4; *Hanley in Sow. Thes. Conch.* i. 313. t. 66. f. 264, t. 59. f. 115; *Forbes and Hanley, Brit. Moll.* i. 307. t. 21. f. 1.
T. lata, *Gmelin*; *Lovèn, M. Suec.* 41. 297 (not *Quoy & Gaim.*).
"T. triangularis, *Wahlenb.*," *Lyell.*
T. calcarea, *Lyell, Phil. Trans.* 1836; *Möller*; *Forbes, Mem. Geol. Surv.* i. 411.
T. sabulosa, *Spengler.*
T. sordida, *Couthouy, Bost. Journ. Nat. Hist.* ii. 59. t. 3. f. 11.
T. ovalis, *Woodward, Geol. Norf.* t. 2. f. 11.
T. ovata, *Sow. Min. Conch.* t. 161. f. 2.
T. obliqua, *Sow. M. C.* t. 161. f. 1.
Sanguinolaria sordida, *Gould, Invert. Mass.* 67=*List. Conch.* t. 407. f. 253.
Inhab. Scotland.

4. ABRA.

Abra (tenuis), *Leach, MSS. B. M.* 1817, *& in Lamk. H. A. s. V.* 1818, ed. 2. vi. 128; *Ann. & Mag. N. H.* xx. 272.
Syndosmya (Boysii), *Recluz, Rev. Zool.* 1843, 292, 359; *Lovèn, Ind. Moll. Skand.* 44, 1846; *Forbes and Hanley, Brit. Moll.* i. 315.
Syndesmya, *Agass. Nom.* (misprint).
Syndosmia, *Forbes, Athenæum*, 1844 (misprint).
Ligula β. (tenuis), part., *Montague, Test. Brit.* 1808, not *Menke*, 1830.
Amphidesma, part., *Lamk. H. A. s. V.* 1818.
Erycina (Boysii) (*Lamk.*?), *Philippi, Moll. Sicil.* 1846.
Tellina, part. (rubiginosa), *Poli, Test. Sicil.*

1. ABRA ALBA.

Mactra Boysii, *Mont. T. B.* 98. t. 3. f. 7; *Maton & Racket, Linn. T.* viii. 72. t. 1. f. 12; *Dorset Cat.* 33. t. 12. f. 7; *Turt. Conch. Dict.* 84; *Dillw. Rec. Shells*, 143; *Index Testac.* t. 6. *Mactra*, f. 27; *Penn. B. Z.* 1812, iv. 195. no. 10.
Amphidesma Boysii, *Lam. H.* ed. 2. vi. 128; *Turt. Biv.* 53. t. 5. f. 4, 5; *Thorpe, Brit. Mar. Conch.* 55; *Brown, Ill. Con. G. B.* 105. t. 42. f. 3; *Hanley, Recent Shells*, 42. t. 6. *Mactra*, f. 27.
Ligula Boysii, *Mont. Linn. Trans.*
Mactra alba, *Wood, Linn. Trans.* vi. 174. t. 18. f. 9–12.
Amphidesma alba, *Fleming, B. A.* 432; *Macgill. Moll. Aberd.* 293.

Syndosmya alba, *Recluz, Rev. Zool.* 1843, 362; *Chenu, Ill. Conch. Syndosm.* 3; *Lovèn, Ind. Moll. Skand.* 45. 311; *Forbes & Hanley, Brit. Moll.* i. 316. t. 17. f. 12, 13, 14.

Abra alba, *Leach*; *Gray, Ann. & Mag. N. H.* 1847, 272; *Forbes, M. G. S.* i. 409. 18 (1846).

Erycina Renieri, *Brown*; *Philippi*, i. 2. t. 1. f. 6, ii. 8.

Tellina opalina, *Renieri*, not *Chemn.*

T. pellucida, *Brocchi*, t. 12. f. 8.

Amph. semidentata, *Scacchi, Cat.* 5.

a—f. Coast of England.
g—j. Scarborough.
k, l. Strangford Lough. Presented by G. Hyndman, Esq.
m—r. Dublin Bay. Presented by T. Warren, Esq.

2. ABRA INTERMEDIA.

Amphidesma intermedia, *Thompson, Ann. N. H.* xv. 318. t. 19. f. 6.

Abra intermedia, *Forbes, M. G. S.* i. 409. 20; *Forbes & Hanley, Brit. Moll.* i. 319. t. 17. f. 9, 10, t. K. f. 5, animal.

Amph. obovale, *S. Wood.*

Mya nitida, *Müller, Prod.* n. 2963, not *O. Fab.*

Syndosmya nitida, *Lovèn, Ind. Moll. Skand.* 44.

YOUNG. Abra profundissima, *Jeffreys, Ann. Nat. Hist.* xx. 19 (not *Forbes*).

a—c. Scotland.
d—l. Inverary.
m—p. S. of Ireland. Presented by R. M'Andrew, Esq.

3. ABRA PRISMATICA.

Ligula prismatica, *Mont. T. B. Supp.* 23. t. 26. f. 3; *Penn. B. Z.* ed. 1812, iv. 169. no. 1.

Mya prismatica, *Wood, Gen. Conch.* 101; *Turt. Conch. Dict.* 103; *Dillw. Recent Shells*, i. 47; *Index Testac.* t. 2. *Mya*, f. 21.

Amphidesma prismatica, *Lamk. Hist.* ed. 2. vi. 128; *Turt. Brit. Biv.* 52. t. 5. f. 3; *Macgilliv. Moll. Aberd.* 294; *Thorpe, Brit. Mar. Conch.* 54; *Brown, Ill. Conch. G. B.* 105. t. 42. f. 5; *Hanley, Recent Shells*, i. 42. t. 2. *Mya*, f. 21.

Abra prismatica, "*Leach*," fide *Lam. Hist.*; *Ann. & Mag. N. H.* xx. 1847, 272; *Forbes, M. G. S.* i. 408. 19.

Syndosmya prismatica, *Recluz, Rev. Zool.* 1843, 367, *in Chenu, Ill. Conch. Syndos.* 4; *Forbes & Hanley, Brit. Moll.* i. 321. t. 17. f. 15; *Lovèn, Ind. Moll. Skand.* 45. 314.

a—f. Newcastle. Presented by J. Alder, Esq.
g—k. Ireland.
l, m. Dublin Bay. Presented by T. Warren, Esq.
n—s. Britain.

4. ABRA TENUIS.

Mactra tenuis, *Mont. T. B.* 572. t. 17. f. 7; *Linn. Trans.* viii. 72; *Dorset Cat.* 33; *Turton, Conch. Dict.* 84; *Fleming, Brit. An.* 433; *Dillw. Recent Shells*, i. 142; *Ind. Test.* t. 6. *Mactra*, f. 26.

Amphidesma tenue, *Lam. Hist.* ed. 2. vi. 128. 8; *Turt. Biv.* 53; *Flem. Brit. An.* 432; *Macgilliv. Moll. Aberd.* 293; *Thorpe, Brit. Mar. Conch.* 55. f. 24; *Brown, Ill. Con. G. B.* 105. t. 45. f. 2; *Delessert, Rec. Coq.* t. 4. f. 6; *Hanley, Recent Shells*, 42.

Ligula tenuis, *Brown, Ill. C.* t. 14. f. 2.

Abra tenuis, *Leach*, fide *Lamk. H.* v. 492; *Ann. & Mag. N. H.* xx. 1847, 272.

Syndosmya tenuis, *Recluz, Rev. Zool.* 1843, 366, *& in Chenu, Ill. Conch. Syndos.* 3; *Forbes & Hanley, Brit. Moll.* i. 323. t. 17. f. 11.

a—f. Coast of England.

5. TRIGONELLA.

Arenaria (compressa), *Megerle, Entw.* 47, 1811, not *Linn.*

Scrobicularia *a.*, *Schum. Essai*, 127, 1817; *Blainv. D. S. N.* xlviii. 212.

Scrobicularia, *Forbes & Hanley, Brit. Moll.* 325.

Ligula *β.* (compressa), *Montagu, T. Brit.* 1808.

Abra (compressa), part, *Leach, MSS. Brit. Mus.* 1819; *Ann. & Mag. N. H.* xx. 1847, 272.

Abra (fragilis), "*Leach, MSS.*;" *Risso, Eur. Merid.* iv. 370, 1826.

Lavignon, *Cuvier, R. A.* 1817; *D'Orb. Amér. Mérid.*

Lavignonus (Lavignon), *Férussac, Tabl. Syst.* 44, 1821; *Pot. & Mich. Gall.* ii. 249, 1844.

Listera (piperita), *Turton, Bivalves*, 51, 1822 (not *Brown*); *Menke, Syn.* ed. 2. 118.

Lutricola *A.*, *Blainv. Dict. Sci. Nat.* xxxii. 348, 1824; *Malac.* 566; not Luticola, *Goldfuss.*

Lutraria (compressa), *Swains. Malac.* 1840.

Trigonella (coinpressa), *Lovén, Moll. Skand.*

Calcinella, "*Desh.*," *Agassiz, Nomenclat.*

Carinella, *Sow. Man.* 98 (misprint), 1842.

Platymya sp., *Agassiz, Verh.* 1838.

Lutraria, sp., *Lamk. Hist. A. s. V.* 1818.

Trigonella, sp., *Da Costa, Brit. Shells*, 200.

Amphidesma, sp., *Fleming, B. A.*; *Sow. Gen.*; *Say, Amer. Conch.*

Ligula, part, *Leach, MSS.*

Chama (Calcinella), *Adanson, Seneg.*

1. TRIGONELLA PLANA.

Trigonella plana, *Da Costa, Brit. Conch.* 200. t. 13. f. 1; *Desh. Exp. Sc. Algérie, Moll.* t. 44–64 (shell, animal and anatomy).
Mactra piperata, *Gmel. Syst. Nat.* 3261; *Dillw. Recent Shells*, i. 142.
Lutraria piperata, *Lamk. Hist.* 2nd ed. vi. 92; *Philippi, Moll. Sic.* i. 9; *Chenu, Illust. Conchyl. Lutraria*, t. 1. f. 1.
Scrobicularia piperata, *Philippi, l. c.* ii. 8; *Forbes, Mem. Geol. Surv.* i. 409. 16; *Forbes & Hanley, Brit. Moll.* i. 326. t. 15. f. 5, t. K. f. 6 (animal).
Mactra compressa, *Soland.*; *Pulteney Hutchins' Dors.* 31; *Mont. T. B.* 96 & 560.
Lutraria compressa, *Lamk. Hist.* 2nd ed. vi. 91; *Brown, Ill. Conch. G. B.* t. 12. f. 4, 2nd ed. 109. t. 43. f. 4; *Crouch, Introd. Conch.* t. 4. f. 3; *Hanley, Recent Shells*, 27; *Chenu, Ill. Conch. Lutraria*, t. 1. f. 7.
Listera compressa, *Turt. Biv.* 51. t. 5. f. 1, 2; *Thorpe, Brit. Mar. Conch.* 45.
Amphidesma compressa, *Flem. B. A.*
A. transversum, *Say, Amer. Conch.* t. 28. *mid. fig.* (fide *Recluz*).
Tellina plana, *Donor. B. S.* ii. t. 64. f. 1.
Mya Gaditana, *Gmel.* 3221.
Lutricola compressa, *Blainv. Malac.* 77. f. 2.
Solen callosus, *Olivi*,
Mya hispanica, *Chemn. C. Cab.* vi. 31. t. 3. f. 21.
M. orbiculata, *Spengler.*
Venus borealis, *Penn. B. Z.* ed. 4. iv. 82 (Tellina crassa) t. 48. f. 28 (not *Linn.*).
Mactra Listeri, *Gmel.* 3261=*List. Hist. Conch.* t. 253. f. 88; *Ang.* t. 4. f. 23; *Linn. Trans.* viii. 71; *Dorset Cat.* 33. t. 7. f. 1; *Turt. Conch. Dict.* 83; *Ind. Test.* t. 6. *Mactra*, f. 25; *Penn. B. Z.* ed. 1812, iv. 194. no. 7 (Tellina crassa, t. 51. f. 1).
Lutraria Listeri, *S. Wood*; *Macgilliv. Moll. Aberd.* 291.
Abra Listeri, *Leach*, 1819; *Ann. & Mag. N. H.* xx. 272, 1847.
Abra fragilis, "*Leach*;" *Risso, Europ. Merid.* iv. 370.
Lavignon Calcinella, *Recluz, Ill. Conch. Lavigno*, 8.
YOUNG?? Amphidesma truncatum, *Brown, Ill. Conch. G. B.* 106. t. 42. f. 4.
Syndosmya truncatus, *Recluz, Rev. Zool.* 1843, 368, from *Brown's figure.*
? Tellina pellucida, *Brown, Ill. Conch. G. B. fide Forbes and Hanley, Brit. Moll.* i. 345 *note.*
a—*c*. Northumberland.
d, *e*. Wyvanhoe, Essex.
f—*q*. Plymouth.

B. Donacina.

6. Donax.

Donax, *Linn. Syst. Nat.* ed. 10. 682, 1758, ed. 12. 1126, 1797; *Gmelin, S. N.* 3262; *Scopoli*; *Brug. E. M.* i. 14; *Forbes & Hanley, Brit. Moll.* 331; *Sow. Gen. Donax*, f. 1–4.
Donax (rugosa), *Lamk. Syst. A. s. V.* i. 22, 1801; *Ann. Mus.* vii. 139.
Cuneus ( ), *Da Costa, Brit. Shells*; *Humph. Mus. Calonn.*
Peronæa, part., and Peronæoderma, part., *Poli, Test. Sicil.*
Capisteria, *Gevers.*
Hecuba (scortum), *Schum. N. S.* 157, 1817.
Donax (scortum), *Swainson, Malac.* 1840.
Chion (denticulata), *Scopoli, Introd. H. N.* 1777.
Latona (cuneata), *Schum. N. Syst.* 156, 1817, not *Straus* nor *Guerin.*
Capsa (complanata), part., *Sow. Gen.*
Potamomya ( ), *J. Sow.*; *D'Orb.*
Donacidæ, *Forbes & Hanley, B. Moll.* 331.

* *Margin denticulated.* Cuneus.

1. Donax vittatus.

Cuneus vittatus, *Da Costa, Brit. Conch.* 207. t. 14. f. 3.
Donax asiaticum, *Lamk. Hist.* ed. 2. vi. 249; *Blainv. Man.* t. 71. f. 2; *Forbes & Hanley, Brit. Moll.* i. 332. t. 21. f. 4, 5, 6, t. K. f. 7 (animal); *Hanley, Recent Shells*, i. 83.
D. trunculus, *Linn. Syst. Nat.* ed. 12. 1127, partly, not *Mus. Ulric.*; *Dillw. R. S.* i. 150 (not *Lam.* 24); *Penn. Brit. Zool.* ed. 4. iv. 79. t. 55, f. 45, ed. 1812, t. 58. f. 1; *Donov. B. S.* i. t. 29. f. 1; *Wood, Linn. Trans.* vi. t. 16. f. 13; *Flem. Brit. An.* 433; *Forbes, M. G. S.* i. 410. 26; *Turt. Conch. Dict.* 41; *Brit. Biv.* 123; *Brown, Ill. Conch. G. B.* 97. t. 39. f. 11; *Ind. Test.* t. 6. *Donax*, f. 5; *Mawe, Conchology*, t. 9. f. 5; *Pulteney Hutchins' Dorset*, 32; *Mont. Test. Brit.* pt. 1. 103; *Dorset Cat.* 33. t. 6. f. 3; *Macgilliv. Moll. Aberd.* 275; *Thorpe, Brit. Mar. Conch.* 77; *Crouch, Introd. Conch.* t. 6. f. 5.
Peronæa brevirostris and Peronæoderma trunculus, *Poli*, ii. 251, 257=*List. Ang.* t. 5. f. 35; *Conch.* 376. f. 217.

Young. Donax ruber, *Mont. Test. Brit. Supp.* 38; *Turt. Brit. Biv.* 127. t. 10. f. 14; *Flem. Brit. An.* 434; *Thorpe, Brit. Mar. Conch.* 79; *Brown, Ill. Conch. G. B.* 97. t. 13. f. 13.
D. trunculus, junior, *Thomp. Rep. B. Assoc.* 1843, 261; *Forbes & Hanley, B. Moll.* 332.

Var.? D. fabagella, *Lamk. Hist.* ed. 2.
a–f, very large. Stornoway.

g—j. Britain.
k. Ditto. Mus. Laskey.
l—n. Scotland.
o—k k, old and young. Britain.
l l—p p. Young (Donax ruber, *Mont.*). England.

** *Edge even.* CAPSELLA.

2. DONAX POLITUS.

Donax complanatus, *Mont. T. B.* 106. t. 5. f. 4; *Linn. Trans.* viii. 75; *Turt. Brit. Biv.* 125. t. 7. f. 13, 14; *Conch. Dict.* 42; *Philippi, Sicil.* ii. 28; *Flem. Brit. An.* 433; *Thorpe, Brit. Mar. Conch.* 78; *Dillw. Recent Shells,* i. 150; *Lamk. Hist.* ed. 2. vi. 249; *Ind. Testac.* t. 6. *Donax,* f. 6; *Leach, Ann. & Mag. N. H.* xx. 272; *Penn. B. Z.* ed. 1812, iv. 198. no. 2.
Capsa complanata, *Sow. Gen. Shells, Capsa,* f. 2; *Brown, Ill. Conch. G. B.* 96. t. 39. f. 10; *Payraud. Cat. Moll. Corse,* 46; *Reeve, Conch. Syst.* t. 61. f. 2; *Hanley, Recent Shells,* 86. t. 6, *Donax,* f. 6.
D. lævigata, *Swains. MSS.*, not *Gmelin.*
Tellina polita, *Poli, Test. Sic.* ii. t. 21. f. 14, 15.
Psammobia polita, *Costa, Cat. Test. Sic.* 20.
Peronæoderma politum, *Poli,* ii. 257.
T. vinacea, *Gmel.*
Donax longa, *Brown*; *Philippi, Moll. Sic.* i. 37. t. 3. f. 13.
Tellina variegata *a.*, *Gmelin,* 3237; from *List.* t. 384. f. 227.
Donax politus, *Forbes & Hanley, Brit. Moll.* i. 336. t. 21. f. 7.
a—g. Britain.
h, i. Bantry.
j. Bantry Bay. Presented by Miss Warne.
k—m. Britain.

C. PETRICOLINA.

Gastrochænidæ, part., *Forbes and Hanley, Brit. Moll.* i. 186.

7. PETRICOLA.

Petricola, sp., *Lamk. Hist.*; *Philippi, Sicil.* i. 21.
Petricola, *Forbes & Hanley, Brit. Moll.* i. 151.
Venus, sp., *Retzius, Act. Acad. Taur.* 1786, 11.
Mya (species), *Montagu, Brit. Shells,* ii. 20.
Venerupis, sp., *Gray, Ann. Phil.* 1825; *Blainv. Man. Malac.*
Sphænia (decussata), *Turton, Biv.* 38; *Brown, Illust. C. G. B.*

1. PETRICOLA LITHOPHAGA.

Venus Lithophaga, *Retzius, Act. Acad. Taur.* 1786, 11. f. 1, 2.
Tellina —— ?, *Poli, Test. Sicil.* i. t. 7. f. 14, 15.

Mya decussata, *Mont. T. B. Supp.* 20. t. 28. f. 1; *Thorpe, M. C.* 41; *Dillw. R. S.* i. 46; *Turton, Dict.* 102; *Wood, Gen. Conch.* 99; *Cat.* t. 2. f. 17; *Fleming, B. A.* 466.
Venerupis decussata, *Gray, Ann. Phil.* 1825.
Petricola striata, *Lamk. Hist.* ed. 2. vi. 158; *Deless. Rec. Coq.* t. 4. f. 11; *Payr. Cat. Moll. Corse*, 35. no. 51.
P. costellata, *Lamk. Hist.* ed. 2. vi. 158; *Deless. Rec. Coq.* t. 4. f. 12; *Chenu, Elem.* 200. f. 59; *Payr. Cat. Moll. Corse*, 35. no. 52.
Petricola ruperella, *Lamk. Hist.* ed. 2. vi. 159; *Deless. Rec. Coq.* t. 4. f. 14; *Desh. Enc. Méth. Vers*, iii. 747. no. 3.
Sphænia decussata, *Turton, Dithyra. Brit.* 38; *Brown, Ill. C.* ed. 2. t. 45. f. 3.
Venerupis lamellosa (V. pétricole), *Blainv. Man. Malac.* t. 76. f. 2.
Petricola Lithophaga, *Bronn, Reise*, 600; *Philippi, Moll. Sic.* i. 21. t. 3. f. 6, ii. t. 20; *Wiegmann, Arch.* 1845, 188. t. 7. f. 11–14, animal; *Desh. Algérie, Moll.* t. 66. f. 5–9. t. 67, anat.; *Forbes & Hanley, Brit. Moll.* i. 151. t. 6. f. 9, 10, t. G. f. 1, animal.
Petricola ——?, *Brown, Ill. Conch.* t. 10. f. 3.
Inhab. Cork Harbour, *Humphrey, Mus. Jeffreys*, two spec.

8. Venerupis.

Venerupis, *Lamk.* 1818; *Forbes & Hanley, Brit. Moll.* i. 154.
Capsa, sp., *Leach, MSS.* 1818; *Ann. & Mag. N. H.* xx. 1847, 272.
Donax, sp., *Linn.*
Petricola, sp., *Turton, Bivalves.*
Pullastra, sp., *Brown, Illust. B. C.*
Cuneus sp., *Da Costa, Brit. Shells*, 204.

1. Venerupis Irus.

Donax Irus, *Linn. S. N.* 1128; *Chemn.* vi. 271. t. 26. f. 268, 269; *Don. B. S.* t. 29. f. 2; *Mont. T. B.* 108, 573; *Dors. Cat.* t. 12. f. 6; *Linn. Trans.* viii. 77; *Turton, Dict.* 43; *Dillw. R. S.* i. 156; *Penn. Brit. Zool.* ed. 1812, iv. 200. no. 6.
Cuneus foliatus, *Da Costa, B. S.* 204. t. 15. f. 6 (left hand).
Petricola Irus, *Turt. Dith. Brit.* 26. t. 2. f. 14.
Venerupis Irus, *Lamk. Hist.* edit. 2. vi. 163; *Flem. B. A.* 451; *Philippi, Sicil.* i. 21, ii. 20; *Desh. Exped. Algérie, Moll.* t. 66. f. 14, 17, anim.; *Forbes & Hanley, Brit. Moll.* i. 156. t. 7. f. 1, 2, 3, t. G. f. 2 (animal).
Pullastra Irus, *Brown, Ill. C.* ed. 2. 89. t. 37. f. 9.
Venus Irus, "*Leach*," *Brown, Ill. Conch.* t. 20. f. 9.

OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC

V. cancellata, *Olivi.*
V. Boltari, *Renieri.*
Capsa Irus, *Leach, MSS.* 1818; *Ann. & Mag. N. H.* xx. 1847, 272.
Tellina Cornubiensis, *Penn. B. Z.* ed. 4. iv. 75. no. 35, from *Borlase, Cornw.* t. 28. f. 23.
a—q. Britain.
r. Teignmouth. Presented by J. B. Harvey, Esq.

Order II. CLADOPODA.

Cladopoda, *Gray, Synops. Brit. Mus.* 1840; 1842, 76, 91; *Proc. Zool. Soc.* 1848, 187.
Cladopoda, Pachypoda and Phyllopoda (part.), *Gray, Med. Repos.* 1821, 237.
Conch. dimyaires crassipèdes, *Lamk. Hist.* v. 426, ed. 2. vi. 12.
Acephales lamellipèdes, part., and A. crassipèdes, part., *Lamk. Cour.* 106, 1812.
Pholadiadæ, *Leach,* 1818; *Ann. & Mag. N. H.* xx. 272.
Hypogidia, *Rafin. Anal. Nat.* 146, 1815.
Pyloridea, *Blainv. Man. Moll.*
Enfermés, *Cuvier, R. A.*; *Féruss. Prod.* 39.
Inclusa, *Menke, Syn.* 119.
Myacea, *Eichw. Zool. Special.* i. 277.

Fam. 1. PHOLADIDÆ.

Pholadidæ, *Gray, Proc. Zool. Soc.* 1848, 187; *Forbes & Hanley, Brit. Moll.* i. 57, 1848.
Hypogæa or Hypogæoderma, *Poli, Test. Sicil.*
Pholadiadæ, part., *Leach, MSS.* 1818; *Ann. & Mag. N. H.* xx. 1847, 272.
Pholadæ, *Gray, Syn. B. M.* 1840; 1842, 76.
Les Pholadaires, part., *Lamk. Cour.* 208, 1812.
Les Pholadaires et Les Tubicolées, part., *Lamk. Hist.* v. 427, 441, ed. 2. vi. 17–39.
Cladopoda, part., *Gray, Med. Repos.* 1821, 237; *Desh. E. M.* iii. 237.
Pholadaria and Teredaria, part., *Rafin. Anal. Nat.* 1815, 146.
Pholadea and Tubicola, part., *Menke, Syn.* 121; *Alton, Verz. Conch.* 12.
Tubicolés, § 2, *Rang, Man. Moll.* 343.
Pholades, *Féruss. Tab. Syst.*
Pyloridés, part., *Blainv. Man. Moll.*
Pholadina, *Macgilliv. Moll. Aberd.* 221.
Teredinadæ, *Flem. B. Anim.* 454, 1828.
Teredinidæ, *Flem. B. A.* 409, 1828.

Teredinina, *Agassiz, Nom.* 1847.
Teredinitæ (Teredinites), *Latr. Fam. Nat.* 1825.
Solen, *Tourn. in Gualt. Ind.* 1742, not *Linn.*
Conchæ multivalves, *Adanson, Seneg.* 195, 1757.
Conchæ plurivalves, part., *Martini, Verzeich.* 1775.
Conchæformia and Scobinata, *Schum. Essai,* 36, 95, 1817.

1. PHOLAS.

Pholas (costatus), *Lamk. Syst. A. s. V.* 1801; *Gray, P. Z. S.* 1848, 187.
Pholas, sp., *Adanson, Seneg.* 1757; *Linn.*; *Montague, T. B.*; *Forbes & Hanley, Brit. Moll.* i. 94.
Barnia (candida), *Leach, MSS. B. M.* 1819.
Barnea, "*Leach*," *Risso, Eur. Merid.* iv. 1826.
Hypogæa and Hypogæoderma, part., *Poli, Test. Sicil.*

1. PHOLAS PARVA.

Pholas parvus, *Penn. Brit. Zool.* ed. 1. iv. 77. t. 40. f. 13, ed. 4. iv. 65. t. 40. f. 13; *Montag. T. B.* 22. t. 1. f. 7, 8.
Pholas parva, *Linn. Trans.* viii. 33; *Brown, Ill. C.* t. 9. f. 11, 12, ed. 2. 115. t. 48, f. 11, 12, not *Don.*; *Forbes & Hanley, Brit. Moll,* i. 111. t. 4. f. 1, 2. t. 2. f. 2, var. short, t. F. f. 3, 3 *a*; *Turton, C. Dict.* 143; *Bivalves,* 9; *Brit. Faun.* 145. no. 171; *Flem. B. A.* 457; *Thorpe, Mar. Conch.* 32. f. 71; *Wood, Gen. Conch.* 82; *Cat.* t. 2, *Pholas,* f. 6; *Dillw. R. S.* i. 38; *Leach, Ann. & Mag. N. H.* xx. 272.
Ph. dactyloides, *Lam. Hist.* ed. 2. vi. 45 (not note).
Pholas crenulatus, *Spengler, Skrivt. Naturh. Selsk.* ii. 92 (1792).
Pholas ligamentina, *Desh. Elem. Conch.* t. 3. f. 11, 12.
Pholas tuberculata, *Turton, Dithyr. Brit.* 5. t. 1. f. 7–8; *Flem. B. A.* 457; *Brown, Ill. Conch.* 115. t. 49. f. 12, 13; *Thorpe, Brit. M. C.* 30; *Wood, Cat. Supp.* f. 2.
? Ph. callosa, *Lamk. Hist.* vi. 46.

VAR. Short.—*Forbes & Hanley, Brit. Moll.* i. t. 2. f. 2.
a—*g*. Britain.
h—*m*. Ditto.
n—*p*. Devonshire. Presented by Mrs. Robinson.

2. PHOLAS CANDIDA.

Pholas candidus, *Linn. S. N.*; *Chemn. Conch.* viii. t. 101. f. 861, 862; *Mont. T. B.* 24; *Penn. B. Zool.* ed. 1. iv. 76, ed. 4. 64. t. 39. f. 11; *Da Costa, B. Conch.* 246; *Donov. B. S.* t. 132; *Brown, Ill. Conch. G. B.* t. 9. f. 6–16; *Lovèn, I. M.* 49, 340; *Wood, G. Conch.* 79. t. 14. f. 3, 4; *Cat.* t. 2. f. 3; *Philippi, Moll. Sicil.* i. 3, ii. 4; *Dillw. Rec. Shells,* i. 36; *Linn. Trans.*

viii. 31; *Turton, Dict.* 144. f. 79; *Biv.* 10; *Brit. Faun.* 145. no. 173; *Flem. B. Anim.* 457; *Macgilliv. Moll. Aberd.* 306; *Thorpe, B. M. Conch.* 115. t. 48. f. 6–10; *Burrows, Elem. Conch.* t. 3. f. 4; *Mawe, Introd. Conch.* t. 3. f. 2; *Crouch, Intr. Conch.* t. 2. f. 11; *Desh. Exp. Alger.* 109. t. 9. f. 4, 5.

Ph. candida, *Pultn. Dorset.* 26; *Lamk. Hist.* 2nd ed. vi. 44; *Forbes & Hanley, Brit. Moll.* i. 117. t. 4. f. 1, 2.

Ph. papyracea, "*Solander*," *Spengler, Skrivt. Naturh. Selsk.* ii. 98. t. 1. f. 4, not *his diagnosis, and* not *Turton.*

Ph. dactyloides, *Chiaje*, t. 65. f. 4, not *Lamk.*; *Poli, Sicil.* t. 7. f. 12, 13.

Lister, Conch. t. 435. f. 278.

a—f. Devonshire. Presented by Mrs. Robinson.
g (*in situ*). Britain. Ditto.
h, jun. Near Edinburgh. Presented by Miss Greville.
i—l (*in situ* and separate). Felixtow. Presented by Professor Henslow.

2. Dactylina.

Dactylina (dactylus), *Gray, P. Z. S.* 1848, 187.
Pholas, sp., *Linn. S. N.*; *Lamk. Hist. A. s. V.* 1818; *Leach*, 1818.
Hypogæa and Hypogæoderma, part., *Poli, Test. Sicil.*
Thovana (oblongata), *Leach, MSS. Brit. Mus.* 1818.

1. Dactylina dactylus.

Pholas dactylus, *Linn. S. N.* 1110; *Mont. T. B.* 20, 558; *Donov. B. S.* iv. t. 118; *Linn. Trans.* viii. 30; *Turton, Conch. Dict.* 143; *Bivalves*, 8; *Brit. Faun.* 145. no. 170; *Brown, Ill. C. G. B.* t. 8. f. 1, 2, 3; *Lovèn, I. M.* 50. 341; *Penn. B. Z.* ed. 1. iv. 76, ed. 4. 64. t. 39. f. 10=*Lister, Conch.* t. 433. f. 276; *Flem. B. A.* 457; *Thorpe, Brit. M. Conch.* 31; *Born. Mus.* 14. t. 1. f. 7; *Chemn. C. C.* viii. 353. t. 101. f. 859; *Spengl. Skrivt. Naturh. Selsk.* ii. 85; *Wood, Gen. Conch.* 77. t. 13; *Index Test.* t. 2. f. 1; *Sow. Gen.* f. 1; *Conch. Man.* f. 55; *Reeve, Conch. Syst.* f. 24; *Dillw. R. S.* i. 35; *Lamk. A. s. Vert.* ed. 2. 43; *Mawe, Conch.* t. 3. f. 3; *Phil. Moll. Sicil.* i. 3, ii. 4; *Desh. Exp. Alger. Moll.* 107. t. 9. f. C, E, G, f. 1, 2, 3; *Chenu, Trait. Elem.* 38. f. 111; *Leach, Ann. & Mag. N. H.* xx. 272; *Forbes & Hanley, Brit. Moll.* i. 108. t. 3. f. 1, 2, large, f. 3, var.

Pholas muricatus, *Da Costa*, 244. t. 16. f. 2.

Pholas hians, *Pultney, Dorset*, 26.

Hypogæa verrucosa, Hypogæoderma dactylus, *Poli, Test. Sicil.* 251, 257. t. 1. f. 1, 5.

Pholas callosa, *Edwards, in Cuvier, Règ. Anim. ed. Croch.* t. 113. f. 1; ? *Lamk.* vi. 46; ? *Brown, Ill. Conch.* t. 8. f. 5, 8.

VAR. Narrowed in front.—*Forbes & Hanley, l. c.* t. 3. f. 3.
a—d. Britain.
e—i. Ditto.
j, k. Ditto, *in situ.* Presented by Mrs. Robinson.
l—p (*var.* narrowed in front). Britain.
q (old). Devonshire. Presented by Mrs. Robinson.

3. PHOLADIDEA.

Pholadidea, "*Leach,*" *in Blainv. Dict. Sci. Nat.* xxxix. 532; *Goodall, in Turton, Conch. Dict.*; *Desh. Elem. Conch.* 75; *Forbes & Hanley, Brit. Moll.* 123, 1848.
Pholidea, *Swainson, Elem. Conch.* 1835.
Pholidæa, "*Leach,*" *Swainson, Malac.* 1840.

1. PHOLADIDEA PAPYRACEA.

Pholas papyracea (*Solander*), *Turton, Biv.* 2. t. 1. f. 1, 2, 3, 4; *Brown, Ill. Conch.* t. 8. f. 4, 6, 7, 9; *Thorpe, B. Mar. Conch.* 29; *Sow. Gen.* f. 3; *Conch. Man.* f. 56; *Reeve, Conch. Syst.* t. 24. f. 3; *Mawe, Conch.* t. 3. f. 5; *Wood, Cat. Supp.* t. 1. f. 1.
Pholadidea Loscombiana, *Goodall, in Turt. Conch. Dict.* 147.
Pholas (Pholadidoidea) striata, *Blainv. Man. Malac.* 578. t. 81. f. 7.
Pholadidea Goodallii, *Blainv. D. S. N.* xxxvii. 532.
Pholas striata, *Griffith, A. K.* t. 8. f. 4.
Pholadidea papyracea, *Forbes & Hanley, Brit. Moll.* i. 123. t. 5. f. 3, 4, 5, 6; t. 2. f. 1; t. F. f. 4, animal.

YOUNG. Open in front, and without hinder appendages.
Pholas lamellata, *Turton, Biv.* 5. t. 1. f. 5, 6; *Flem. B. A.* 456; *Brown, Ill. Conch.* 114. t. 49. f. 10, 11; *Wood, Cat. Supp.* t. 1. f. 3.

VAR. Small.—*Forbes & Hanley, Brit. Moll.* t. 2. f. 1.
a. } Group *in situ.* Britain. Presented by Mrs. Robinson.
b. }
c, d. Exmouth.
e—h. Britain. Presented by Mrs. Robinson.
i, j. Teignmouth. Presented by J. B. Harvey, Esq.

2. PHOLADIDEA SULCATA.

Pholas sulcata, *Brown, Ill. Conch. G. B.* t. 9. f. 17, 18; *Forbes & Hanley, Brit. Moll.* i. 128, note.
Pholas vibonensis, *Philippi, Moll. Sicil.* ii. 4. t. 13. f. 5.
Inhab. Dunbar.

4. Zirfæa.

Zirfæa (crispata), *Leach, MSS. Brit. Mus.*; *Gray, Syn. B. M.* 1840; ed. 1842, 76, 91; *P. Z. S.* 1848, 188.
Pholas, sp., *Lamk.*; *Leach*, 1818.

1. Zirfæa crispata.

Pholas crispata, *Linn. S. N.* 1111; *Don. B. S.* ii. t. 62; *Linn. Trans.* viii. 32; *Turt. Dict.* 146; *Biv.* 6; *Brit. Faun.* 145. no. 172; *Flem. B. A.* 456; *Brown, Ill. Conch.* 114. t. 9. f. 1–5; *Dillw. R. S.* i. 40; *Macgill. Moll. Aberd.* 306; *Thorpe, B. M. Conch.* 29; *Wood, Gen. Conch.* 81. t. 15. f. 2, 5; *Cat.* t. 2. f. 5; *Spengler, Skrivt. Selsk.* ii. 96; *Lamk. Hist.* ii. 46; *Dekay, Moll. N. Y.* 247. t. 32. f. 506; *Lovèn, I. M.* 50. 342; *Forbes, M. G. Surv.* i. 407. n. 3; *Forbes & Hanley, Brit. Moll.* i. 114. t. 4. f. 3, 4, 5.
Ph. crispatus, *Mont. T. B.* 23; *Chemn. Conch.* viii. 369. t. 102. f. 872–874; *Penn. B. Z.* ed. 4. iv. 65. t. 40. f. 12.
Ph. bifrons, *Da Costa*, 242. t. 16. f. 4.
Solen crispus, *Gmel. S. N.* 3228.

Var. Small.

Pholas parvus, *Da Costa, Conch.* 247; *Don. B. S.* i. t. 69.
Lister, Conch. t. 436. f. 279; *Ency. Meth.* t. 169. f. 5.
a, *b*. Scotland. Presented by the Duke of Gordon.
c—*j*. Britain.
k—*m*. Ramsgate and Scarborough. Presented by Mrs. Robinson.
n—*s*. Scarborough.
t, *u*, jun. Britain.

5. Xylophaga.

Xylophaga, *Turton, Brit. Bivalves*, 16. 253; *Flem. B. A.* 409, 455, 1828; *Latr. Fam. Nat.*; *Sow. Gen.* fig.; *Forbes & Hanley, Brit. Moll.* i. 89; *Lovèn, Ind. Moll. Scand.* 50.
Xilophaga, *Herrmannsen, Ind.* 713.
Pholas, sp., *Desh. in Lamk. H. A. s. V.*

1. Xylophaga dorsalis.

Teredo dorsalis, *Turt. Conch. Dict.* 185; *Bivalves*, 16. t. 2. f. 4, 5.
Xylophaga dorsalis, *Turt. Biv.* 253. t. 2. f. 4, 5; *Sow. Gen.* f.; *Lovèn, I. M.* 50, 343; *Thompson, Ann. & Mag. N. H.* xx. 159; *Sow. Man. Conch.* f. 50, 51; *Forbes & Hanley, Brit. Moll.* i. 90. t. 11. f. 3, 4.
Pholas xylophaga, *Desh. Lam. H.* ed. 2. vi. 47.
Xylophage dorsale, *Chenu, Trait. Elem.* 40. f. 122, 123.
a (group *in situ*, in wood). Dock gates, Ardrossan, Ayrshire. Presented by W. Thompson, Esq.

b (group *in situ*, in wood). Ayrshire.
c (ditto). Britain.
d—*i* (separate shells). Britain.
j, *k* (in wood). Britain. Presented by Mrs. Robinson.
l—*n* (in wood and separate). Britain.
o (in wood). Cowes. Presented by Lady Fellowes.

6. Teredo.

Teredo, *Leach, MSS.* 1819; *Gray, P. Z. S.* 1848, 188.
Teredo, part., *Sellius, Comm. Liter. Nor.* 409, 1732; *Hist. Nat. Tered.* 1733; *Adanson, Seneg.* 263, 1757; *Linn. S. N.* i. 1267; *Brug. E. M.* i. 12, 1789; *Lamk. Syst.* 129, 1801; *Forbes & Hanley, Brit. Moll.* i. 58; *Spengler, Skrivt. Nat. Selsk.* ii. 99; *Pallas, Misc. Zool.* 1766.
Solen part., *Rumph. Amb. Rar.* 123, 1705 (tube of shell).
Teredo *a*, *Blainv. Dict. Sci. Nat.* 411. 267, 1828.
Xylophagus, *Gronov. Zooph.* 258, 1781.
Teredarius, *Dumeril, Zool. Anal.* 343, 1806.
Uperotus part., *Guett. Mem.* ii. 128, 1774.
Hyperotus part., *Herrmannsen, Ind.* 671.
Dentalium, sp., *Linn.*
Siphonium, sp., *Browne, Jam.*
Malleolus, *Gray, P. Z. S.* 1848, 188.

* *Tube semiconcamerated above.*

1. Teredo Norvagicus.

Teredo Norvagicus, *Spengler, Skrivt. af Naturh. Selsk.* 1792, ii. 102. t. 2. f. 4, 5, 6, 13; *Forbes & Hanley, Brit. Moll.* i. 67. t. 1. f. 1–5.
Teredo navalis, *Montag. T. B.* 527; *Supp.* 7; *Turton, Conch. Dict.* 183; *Bivalves*, 14. t. 2. f. 13; *Fleming, Brit. Anim.* 454; *Gray, Phil. Mag. & Ann.* 1827, 410; *Brown, Ill. C.* 16.
Teredo Bruguieri, *Chiaje, Mem.* iv. 28, 32. t. 54. f. 9, 12; *Philippi, Moll. Sicil.* i. 2, ii. 3.
T. Norvegica, *Thompson, Ann. & Mag. N. H.* xx. 157, 163; *Adanson, Acad. Sci. Par.* t. 9. f. 1–8, *cop. E. M.* t. 187. f. 1–3, t. 167. f. 4, 5.
a—*h*. Portions of tubes. Plymouth Dock.
i (*in situ*, in drift wood). Falmouth Harbour. Presented by W. P. Cocks, Esq.

** *Tube simple behind.*

2. Teredo navalis.

Pfahl Wurms, *Beschreib. Holland.* 1733, t. 3. f. 19, 20.
Vers de Mer, *Rousset, Observ.* 1516, 17. f. 1, 2, 3, 4, 10; *Translat.* 1733, 13, 14. f. 1, 2, 3, 4, 10.

Zee Wurm, *Belkmeer, Natur. Verh.* t. 2. f. 7, 8, 9.
Teredo, *Seltius, Hist. Nat.* t. 2. f. 2, 3, 6.
Teredo Navalis, *Linn. Syst. Nat.* i. 1267 (not *Montag.*); *Home, Phil. Trans.* 1806, t. 12. f. 7, 8, 9, 10; *Chiaje, Mem.* iv. 23, 32. t. 54. f. 2–8; *Philippi, Moll. Sicil.* i. 2, ii. 3; *Forbes & Hanley, Brit. Moll.* i. 74. t. 1. f. 7, 8, t. 18. f. 3, 4.
Teredo Batava, *Spengler, Skrivt. Natur. Selsk.* 1792. ii. 103. t. 2. f. *c*.
a—c? (tube only). S. Devon.

3. TEREDO NANA.

Teredo nana, *Turton, Biv.* 26. t. 2. f. 6, 7, *and Append.*; *Flem. Brit. Anim.* 455; *Thorpe, Brit. Mar. Conch.* 29; *Brown, Ill. Conch. G. B.* 116. t. 50. f. 14, 15; *Gray, Phil. Mag.* 1827, 410; *Hanley, Rec. Shells*, 4; *Supp.* t. 11. f. 23, 24 (*Turton*).
Teredo navalis, *M. Edwards in Cuvier, Règ. Anim.* t. 114. f. 2.
Teredo megotara, *Forbes & Hanley, Brit. Moll.* i. 77. t. 1. f. 6, t. 18. f. 1, 2.
Inhab. Torbay, *Turton.* Herne Bay, *Hanley, &c. &c.*

4. TEREDO MALLEOLUS.

Teredo malleolus, *Turt. Biv.* 255. t. 2. f. 19; *Thomps. Ann. N.H.* xx. 163, 174; *Gray, Phil. Mag.* 1827, 410; *Forbes & Hanley, Brit. Moll.* i. 84. t. 1. f. 12, 13, 14.
Inhab. Torbay. Nat.? from timber.
In bottom of vessel from tropics, *W. Thompson, Ann. N. H.* xx. 163.

7. XYLOTRYA.

Xylotrya, *Leach, in Menke Syn.* ed. 2. 121, 1830; *Gray, Syn. B. M.* 1842, 76, 91.
Bankia, *Gray, Syn. B. M.* 1840.
Xylophaga, part., *Sow. Man.* 115. ed. 2. 291.
Teredo *a*, *Schum. N. Syst.* 1817.
Teredo *β*, *Blainv. D. S. N.* 411. 268, 1828.
Teredo (bipalmulata), part., *Lamk. Syst. A. s. V.* 1801.

1. XYLOTRYA PALMULATA.

Taret de Pondicherry, *Adanson, Acad. Roy. Sci.* 1759, 276. t. 9. f. 11, 12, cop. *E. M.* t.
Teredo palmulatus, *Lamk. Hist.* ed. 2. vi. 38; *Gray, Phil. Mag.* 1827, 410; *Philippi, Moll. Sicil.* i. 2. t. 1. f. 8, ii. 3?
Teredo palmulata, *Forbes & Hanley, Brit. Moll.* i. 86. t. 11. f. 9, 10, 11.
T. bipalmulata, *Lamk. Syst. A. s. V.* 129; *Chiaje, Mem.* iv. 28. t. 54. f. 18, 20, 23, 24; *Thompson, Ann. Nat. Hist.* 1847;

Hanley, Rec. Shells, t. 11. f. 13, cop. from *Blainv.*; *Griffith. A. K.* xii. t. 7. f. 5.
Taret bipalmulé, *Blainv. Man. Malac.* t. 80*. f. 8, from *Adanson.*
a—f. Ireland. Presented by W. Thompson, Esq.
g, mass of wood, perforated. Ditto. Ditto.

Fam. 2. GASTROCHÆNIDÆ.

Gastrochænidæ, *Gray, Syn. B. M.* 1840; 1842, 77; *Proc. Zool. Soc.* 1848, 188; *Agass. Nomencl.*
Gastrochænidæ, part., *Forbes & Hanley, Brit. Moll.* i. 129.
Cladopoda, part., *Gray, Med. Repos.* 1821, 236.
Pholades, part., *Féruss. Prod.* 45.
Teredaria, part., *Rafin. Anal. Nat.* 1815.
Les Pholadaires, part., *Lamk. Cour.* 108, 1812.
Les Tubicolées, part., *Lamk. Hist.* v. 427, ed. 2. vi. 17; *Féruss. Prod.* 45.
Tubicola, part., *Menke, Syn.* 122; *Alton, Verz. Conch.* 12.
Pholadea, part., *Menke, Syn.* 121; *Férussac.*
Enfermés, *Cuvier, R. A.*
Tubicolés, § 1, *Rang, Man. Moll.* 336.
Adesmacés, *Blainv. Dict. Sc. Nat.* 1824.
Pholadæ, part., *Flem. B. A.*; *Agassiz, Nomencl.*
Pholadiadæ, part., *Leach,* 1818; *Ann. & Mag. N. H.* xx. 272.
Clavagellidæ, *D'Orb. Pal. Franç. Cretac.* iii. 1845.

1. GASTROCHÆNA.

Gastrochæna, *Spengler, Nye Saml. K. Dansk. Vid. Selsk.* ii. 174, 1783; *Lamk. Hist.* v. 446, 1818, ed. 2. vi. 48; *Sow. Gen.* f.; *Man.* ed. 2. 152; *Blainv. Man.* 574; *Desh. Rev. Zool.* 1846, 28; *Leach, MSS.* 1818; *Ann. & Mag. N. H.* xx. 272; *Forbes & Hanley, Brit. Moll.* i. 130.
Gastrochœna, *Brown, Conch. Text-Book,* 1833.
Gastrochena, *Swainson, Malac.* 1840.
Chœna β, *Retz. Diss. N. Hist.* 18, 1788; *Spengler, Naturh. Selsk. Skrivt.* iii. 16, 1793; *Oken, Zool.* 1815; *Schum. Essai,* 94, 1817.
Fistularia, sp., *Brug. Encyc. Meth.* i. 12, 1789 (not *Fabricius*); *Lamk. Syst.* 129, 1801; *Hist.* v. 432, 1818, ed. 2. vi. 25.
Fistularia, part., *Desh. Encyc. Meth.* iii. 165; *Blainville, Man.*
Uperotus, part., *Guettard, Mem.* iii. 128.
Hyperotus, part., *Herrmann. Ind.* 671.
Mya, sp., *Pennant, Brit. Zool.*
Roxellaria, *Fleur. de Bellev. Journ. Phys.* 1802, liv.
Rupellaria, *Agassiz, Nomencl.* (not *Fleur. de Bellev.*).
Trapezium β, *Muhlfeldt, Etwurf.* 68, 1811.

Trapezium, *Blainv. Dict. Sci. Nat.* x. t. , 1818 (not *Humph.* nor *Schum.*).
Pholas, sp., *Chemnitz, Conch. Cab.*
? Quoyie, *Desh. Encyc. Meth.* ii. 247, 1830.

1. GASTROCHÆNA DUBIA.

Mya dubia, *Penn.* 1st ed. iv. 82. t. 44. f. 19; 4th ed. iv. 69. t. 44; *Don. B. S.* t. 108; *Wood, Conch.* i. 102. t. 25. f. 2, 3; *Linn. Trans.* viii. 33; *Turton, Dict.* 104; *Brit. Faun.* 146. no. 181.
Pholas faba, *Pulteney, Cat. Dors.* 27.
Chama parva, *Da Costa*, 234.
Mya Pholadia, *Mont. T. B.* 28; *Supp.* 20; *Thorpe, M. C.* 33; *Brown, Ill. C.* t. 9. f. 13, 14.
Mytilus ambiguus, *Dillw. R. S.* i. 304.
Gastrochæna faba, *Leach, MSS.* 1817.
Gastrochæna modiolina, *Lamk. Hist.* ed. 2. vi. 49; *Sow. Gen.* f. 1, 2; *Man. Conch.* f. 52; *Reeve, Conch. Syst.* t. 20. f. 1, 2; *Thorpe, B. Mar. Conch.* 33; *Forbes & Hanley, Brit. Moll.* i. 132. t. 2. f. 5, 8, t. F. f. 5.
Gast. Pholadia, *Turton, Dithyr. Brit.* 18. t. 2. f. 8, 9; *Mag. N. Hist.* xi. 404. f. 52; *Brown, Ill. Conch.* 116. t. 48. f. 13, 14.
Gast. hyans, *Flem. B. A.* 458.
Gast. fulva, *Leach, MSS.* 1818; *Ann. & Mag. N. H.* xx. 272.
Gast. dubia, *Desh. Trait. Elem. Conch.* t. 2. f. 4, 5.
Gast. Poliana, *Philippi, Wiegm. Arch.* 1845, 186. t. 7. f. 1.
a—c. Devonshire.
d, e. Britain.

Fam. 3. SOLENIDÆ.

Solenidæ, *Flem. Brit. Anim.* 410, 1828; *Gray, Syn. B. M.* 1840; 1842, 77, 91; *Proc. Zool. Soc.* 1848, 189; *Lea, Proc. Acad. N. S. Philad.* iii. 163, 1843; *Agass. Nomencl.* 1847; *Forbes & Hanley, Brit. Moll.* i. 239.
Soleniadæ, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272.
Les Solenacées, *Lamk. Phil. Zool.* 1809; *Cour.* 108; *Hist.* v. 448, ed. 2. vi. 50; *Sow. Man.* 99, ed. 2. 261.
Les Solens (Solenes), *Féruss. Prod.* 44.
Solenacea, *Menke, Syn.* 126; *Alton, Verz. Conch.* 12.
Pyloridea, part., *Blainv. Dict. Sc. Nat.* 1824; *Rang, Man. Moll.* 322.
Solenides (Solenidæ), *Latr. Fam. Nat.* 1825.
Soleninæ, *Swains. Malac.* 1840.
Phyllopoda*, part., *Gray, Med. Repos.* 1821, 237.
Pholadaria, part., *Rafin. Anal. Nat.* 1828.
Solenina, part., *Macgilliv. Moll. Aberd.* 216.
Solenides, *Berth.*; *Thorpe, Brit. Mar. Conch.* 34, 1844.

Solenicurtidæ, *Forbes & Hanley, Brit. Moll.* i. 255; *D'Orbigny.*
Myadæ, part., *Forbes & Hanley, Brit. Moll.* i. 176.
Myacidæ, part., *D'Orb. Pal. Franç.* iii. 1845.
Glycimeridæ, *Desh. Elem.* 124, 1839.

1. Solen.

Solen, *Arist. Hist. Nat.* iv. cap. 4; *Plin. H. N.* x. cap. 8, xi. cap. 52, xxxii. cap. 53.
Solen, part., *Linn. S. N.* ed. 10. 672, ed. 12. 1113, 1767; *Brug. E. M.* i. 14, 1789; *Leach, MSS.* 1818.
Solen (vagina), *Lamk. Syst. A. s. V.* 125, 1801; *Hist.* v. 449, ed. 2. vi. 51; *Oken, Zool.* 222, 1815; *Desmoul. Mém. Linn. Soc. Bord.* 1832; *Forbes & Hanley, Brit. Moll.* i. 240.
Solenarius, *Dum. Zool. Anal.* 168, 1811.
Vagina (Ceylonensis), *Megerle, Entw.* 44, 1811; *Desm. Act. Soc. Linn. Bord.* 1832; *Blainv. Dict. Sci. Nat.* xlix. 428.
Solena, part., *Browne, Jam.* 412, 1756.
Hypogæa and Hypogæoderma, part., *Poli, Test. Sicil.*

1. Solen vagina.

Solen vagina, *Penn. B. Z.* ed. 4. iv. 70. t. 46. f. 21, ed. 1812. iv. 171. t. 49. f. 1 (not *Linn.*?); *Mont. T. B.* 48–56; *Suppl.* 25; *Brown, Ill. Conch.* t. 13. f. 2, ed. 2. 112. t. 47. f. 2; *Lovèn, I. M.* 49. 337; *Turton, Dict.* 159; *Bivalves,* 79. t. 6. f. 4; *Brit. Faun.* 148. no. 191; *Flem. B. A.* 458; *Thorpe, Mar. Conch.* 34; *Wood, Gen. Conch.* 119. t. 27. f. 1; *Cat.* t. 3. f. 3; *Dillw. R. S.* i. 57; *Lamk. Hist.* vi. 53; *Desh. Elem.* t. 6. f. 4, 6; *Exped. Alger.* 179. t. 10; *Philippi, Sicil.* i. 4, ii. 4; *Neu Conch. Solen,* t. 1. f. 4; *Chenu, Ill. Conch.* t. 1. f. 1.
Solen marginata, *Leach, Ann. & Mag. N. H.* xx. 272.
Solen marginatus, *Pulteg. Dors.* 28; *Don. B. S.* iv. t. 110; *Forbes & Hanley, Brit. Moll.* i. 242. t. 14. f. 1, t. I. f. 3.
Hypogæa tentaculata and Hypogæoderma vagina, *Poli,* i. t. 10. f. 5, 6, ii. 251, 257.
a—d. Dublin Bay. Presented by T. Warren, Esq.
e—g. Britain.
h, i. New Romney.
j—m. Britain. From Coll. Col. Montagu.
n—q. Ditto.
r—t, jun. Ditto.

2. Ensis.

Ensis (Ensis), *Schum. N. Syst.* 143, 1817; *Gray, Proc. Zool. Soc.* 1848, 189.
Ensatella (Ensis), *Swainson, Malac.* 365, 1840.
Solen, part., *Linn.*; *Lamk. Hist.*; *Leach, MSS.* 1818.

1. ENSIS FALCATA.

Lister, Conch. t. 409. f. 253.

Solen Ensis, *Linn. S. N.* i. 1113; *Chemn. C. Cab.* vi. t. 47. f. 29, 30; *Penn. B. Z.* ed. 4. iv. 71. t. 45. f. 22, ed. 1812. iv. 172. t. 48. f. 2; *Don. B. S.* t. 50; *Mont. T. B.* 48; *Brown, Ill. C.* t. 13. f. 10, ed. 2. 113. t. 47. f. 10; *Lovèn, I. M.* 49. 336; *Forbes, M. G. S.* i. 407. 5; *Wood, Gen. Conch.* 122. t. 28. f. 1, 2; *Cat.* t. 3. f. 6; *Lamk. Hist.* vi. 55; *Encyc. Meth.* t. 223. f. 2; *Desh. Exp. Alger.* 184. t. 11. f. 1, 4; *Philippi, Sicil.* i. 4, ii. 5; *Sow. Man.* f. 60; *Chenu, Elem.* 41. f. 126. t. 1. f. 1; *Leach, Ann. & Mag. N. H.* xx. 272; *Da Costa, B. Conch.* 237; *Linn. Trans.* viii. 44; *Turton, Dict.* 160. f. 61; *Bivalves,* 82; *Brit. Faun.* 148. no. 190; *Macgilliv. Moll. Aberd.* 282; *Fleming, B. A.* 459; *Thorpe, Mar. Conch.* 35; *Dillw. R. S.* i. 59; *Burrows, Elem.* t. 4. f. 3, 4; *Forbes & Hanley, Brit. Moll.* i. 250. t. 14. f. 2.

Hypogæa falcata and Hypogæoderma ensis, *Poli,* ii. 251, 257. i. t. 10. f. 7, 11.

a—c, var. magna. Scotland.
d, e. Liverpool.
f—l. British Isles.

2. ENSIS SILIQUA.

Lister, Conch. t. 409. f. 255.

Solen siliqua, *Linn. S. N.* i. 1113; *Penn. B. Z.* ed. 4. iv. 70. t. 45. f. 20, ed. 1812. iv. 171. t. 48. f. 1; *Don. B. S.* t. 46; *Chemn. Conch.* f. 29; *Mont. T. B.* 46; *Brown, Ill. C.* t. 13. f. 33, ed. 2. 112. t. 47. f. 33; *Forbes, M. G. S.* i. 407. 4; *Wood, Gen. Conch.* 118. t. 26. f. 1, 2; *Cat.* t. 3. f. 1; *Dillw. R. S.* i. 59; *Lamk. Hist.* vi. 55; *Desh. Elem.* t. 6. f. 1, 2, 3; *Exped. Sci. Alger.* 181; *Philippi, Moll. Sicil.* i. 4, ii. 5; *Da Costa, B. Conch.* 236. t. 17. f. 5; *Linn. Trans.* viii. 43; *Turton, Dict.* 158; *Bivalves,* 80. t. 6. f. 5; *Brit. Faun.* 147. no. 188; *Flem. B. A.* 459; *Macgill. Moll. Aberd.* 282; *Thorpe, Mar. Conch.* 35; *Forbes & Hanley, Brit. Moll.* i. 246. t. 14. f. 3; animal, t. I. f. 1.

Solen ligula, *Turt. Biv.* 81. t. 6. f. 6; *Brown, Ill. C.* ed. 2. 112. t. 47. f. 2*.

Hypogæa crinita and Hypogæoderma siliqua, *Poli,* ii. 251, 257. t. 10. f. 7, 11, t. 11. f. 12, 13.

Teeth destroyed.

Solen Novacula, *Mont. T. B.* 47; *Linn. Trans.* viii. 44; *Turt. Dict.* 159; *Bivalves,* 80; *Flem. B. A.* 439; *Penn. B. Z.* ed. 1812. iv. 172; *Thorpe, Mar. Conch.* 35; *Wood, Conch.* 119; *Dillw. R. S.* i. 58.

Solen siliqua β, *Leach, Ann. & Mag. N. H.* xx. 272.

a. Ayrshire.
b—d. Scarborough. Presented by Mrs. Robinson.

3. ENSIS PELLUCIDUS.

Solen pellucidus, *Penn. B. Z.* ed. 4. iv. 71. t. 46. f. 23, ed. 1812. iv. 173. t. 49. f. 2 (not *Spengler*); *Mont. T. B.* 49, 565; *Thorpe, M. C.* 35. f. 106; *Brown, Ill. Conch.* 113. t. 47. f. 4; *Lovèn, I. M.* 49, 339; *Wood, Conch.* 123. t. 28. f. 3; *Cat.* t. 3, *Solen*, f. 7; *Dillw. R. S.* i. 60; *Leach, Ann. & Mag. N. H.* xx. 272; *Don. B. S.* ii. t. 153; *Linn. Trans.* viii. 44; *Turton, Dict.* 160; *Bivalves*, 83; *Brit. Faun.* 148. no. 192; *Fleming. B. A.* 459; *Macgilliv. Moll. Aberd.* 283; *Forbes & Hanley, Brit. Moll.* i. 252. t. 13. f. 3; animal, t. I. f. 2.

Sol. pygmeus, *Lamk. H.* ed. 2. vi. 56.

? Sol. tenuis, *Philippi, Sicil.* i. 6. t. 1. f. 2.

Inhab. Dorsetshire and Devonshire coasts, &c., &c.

3. PHARUS.

Pharus (legumen), *Leach, MSS.* 1818; *Ann. & Mag. N. H.* xx. 1847, 272; *Gray, Ann. & Mag. N. H.* 1848; *Gray, Syn. B. M.* 1840; 1842, 77, 91; *P. Z. S.* 1848, 189 (not *R. Brown*).

Ceratisolen (legumen), *Forbes, Brit. Moll.* i. 255, 1848.

Cyrtosolen (legumen, part.), *Herrmannsen, Ind.* 468.

Solecurtus, § C. (legumen), *Blainv. Malac.*

Solecurtoides (legumen), *Desmoul. Act. Soc. Linn. Bord.* 1832.

Solen, part., *Linn.*; *Lamk. Hist. A. s. V.*

Psammobia, part., *Turton, Bivalves.*

Hypogæa, part., *Poli, Test. Sicil.*

1. PHARUS LEGUMEN.

Lister, Conch. t. 420. f. 264.

Solen legumen, *Linn. S. N.* i. 1114; *Chemn.* vi. 49. t. 3. f. 32, 33, 34; *Born, Mus. Cæs.* t. 2. f. 1, 2; *Lamk. H.* vi. 57; *Ency. Meth.* t. 226. f. 3; *Penn. B. Z.* ed. 4. iv. 71. t. 46. f. 24; *Don. B. S.* ii. t. 53; *Mont. T. B.* 50; *Linn. Trans.* viii. 45; *Philippi, Sicil.* i. 4, ii. 5; *Brown, Ill. Conch.* t. 13. f. 8, 9; *Desh. Elem.* t. 6. f. 8–10; *Chenu, Illust.* t. 2. f. 1; *Elem.* 42. f. 132; *Da Costa, B. Conch.* 238; *Turton, Dict.* 162; *Brit. Faun.* 148. no. 193; *Flem. B. A.* 459; *Thorpe, Mar. Conch.* 36; *Wood, Conch.* 124. t. 23. f. 4; *Cat.* t. 3. f. 6; *Dillw. R. S.* i. 60.

Psammobia legumen, *Turt. Biv.* 90.

Solenocurtus legumen, *Blainv.*; *Brown, Ill. C.* ed. 2. 113. t. 47, f. 8, 9, 9*.

Pharus legumen, "*Leach MSS.*," *Brown*; *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272.

Hypogæa hirundo=Hypogæoderma legumen, *Poli*, ii. 251–257. i. t. 11. f. 15.

Ceratisolen legumen, *Forbes & Hanley, Brit. Moll.* i. 256. t. 13. f. 2; animal, t. I. f. 4.

a—i. Tenby.

j—o. Dublin Bay. Presented by T. Warren, Esq.
p, q. Liverpool.

4. Macha.

Macha (strigilatus), *Oken, Lehrb. Naturg.* iii. 1815; *Gray, P. Z. S.* 1848, 189.
Siliquaria, part., *Schum. Essai*, 129, 1817.
Solecurtus (strigilatus, part.), *Desh. in Lamk. Hist.* vi. 61, 1835; *Trait. Elem.* 113.
Solecurtus (strigilatus, part.), *Blainv. Mal.* 568.
Cyrtosolen (strigilatus, part.), *Herrmann. Ind.* 468.
Psammosolen (strigilatus), *Risso, Eur. Mérid.* iv. 375 (misprint for *Psammobia*?), *Broun, Ital. Tert.* 87, 1831.
Solenocurtus, part., *Sow. Man.* 99, ed. 2. 262.
Solenocurtis, part., *Swainson, Malac.* 366, 1840 (misprint).
Hypogæa, part., *Poli, Test. Sicil.*
Solen, § A. (Cultellus), *Blainv. Man.*
Psammobia, part. (scopulosa), *Turton, Bivalves*, 182.

1. Macha strigilata.

Solen strigilatus, *Linn. S. N.* 1115; *Turton, Conch. Dict.* f. 53 only (not description); *Chemn. Conch.* vi. t. 6. f. 41, 42; *Wood, Conch.* 127. t. 30. f. 1; *Cat.* t. 3. f. 12; *Lamk. Hist.* 2nd ed. vi. 60; *Ency. Meth.* t. 224. f. 3; *Philippi, Sicil.* i. 5; *Reeve, Conch. Syst.* i. t. 26. f. 3, 4; *Chenu, Ill. Conch.* t. 4. f. 1, t. 6. f. 1; *Poli, Test. Sicil.* t. 12; *Cuvier, R. A.* ed. *Croch.* t. 111. f. 2.
Solecurte rose, *Chenu, Elem.* 42. f. 135. t. 1. f. 8.
Solecurtus strigilatus, *Philippi, Moll. Sicil.* ii. 5; *Desh. Exp. Alger.* 207.
? Psammobia strigilata, *Jeffreys, Ann. & Mag. N. H.* xix. 1847, 314.
Hypogæa variegata=Hypogæoderma strigilata, *Poli, Test. Sicil.* ii. 251, 257; t. 12, animal.
Inhab. Guernsey; abundant in sand on coast. W. Poole Mauger. Esq.

2. Macha candida.

Soleni strigilati varietas, *Chemn. Conch.* vi. 60. t. 6. f. 43.
Solen candidus, *Renieri, Tavola Alph. Adriat.*; *Thorpe, M. C.* 38; *Hanley, R. Shell.* 14; *Supp.* t. 11. f. 31.
Solen strigilatus, *Turton, Conch. Dict.* 161 (description, not figure) (not *Linn.*).
S. strigilatus β, *Philippi, Moll. Sicil.* i. 5.
Solecurtus candidus, *Philippi, Moll. Sicil.* ii. 5; *Desh. Elem.* 122. t. 6. f. 11, 12 (var. ?); *Exped. Alger.* 208. t. 10. f. 1–5, shell and animal; *Forbes & Hanley, Brit. Moll.* i. 263. t. 15. f. 1, 2.
Psammobia strigilata, *Turton, Biv.* 97. t. 6. f. 13; *Flem. B. A.* 439.

JUNIOR. Psammobia scopula, *Turton, Biv.* 98. 259. t. 6. f. 11, 12; *Flem. B. A.* 439; *Thorpe, Mar. Conch.* 38.
Solen scopula, *Chenu, Ill. Conch.* t. 6. f. 7.
a—c. Bantry Bay.

5. AZOR.

Azor (antiquatus), *Leach, MSS.* 1818; *Ann. & Mag. N. H.* xx. 1847, 272; *Brown, Ill. Conch.* ed. 2. 118; *Gray, Ann. & Mag. N. H.* 1848; *Proc. Zool. Soc.* 1848, 189.
Solecurtus, part. (antiquatus), *Desh. Elem. Conch.*; *Forbes & Hanley, Brit. Moll.* i. 259.
Psammobia, part. (antiquatus), *Turton, Bivalves*, 91.
Solen, part., *Linn., &c.*

1. AZOR COARCTATUS.

Lister, Conch. t. 421. f. 265.
Solen angustior constrictus, &c., *Chemn. Conch.* vi. 62. t. 6. f. 45.
Solen coarctatus, *Gmel. S. N.* 3224 (1788); *Lamk. A. s. V.* 2nd ed. vi. 59. no. 17; *Lovèn. I. M.* 49. 338; *Schroter, Fluss. Conch.* t. 9. f. 17; *Brocchi, Conch.* ii. 497. no. 3 (fossil); *Dillw. R. S.* i. 64; *Thorpe, Mar. Conch.* 36; *Philippi, Moll. Sic.* i. 6, ii. 5; *Hanley, R. S.* 14.
Solen antiquatus, *Pult. Dors.* 28, 1799; *Don. B. S.* iv. t. 114; *Mont. T. B.* 52. 565; *Brown, Ill. Conch.* t. 13. f. 6, 7; *Lamk. Hist.* vi. 59. n. 15; *Linn. Trans.* viii. 46; *Dorset Cat.* 29; *Turton, Dict.* 162; *Brit. Faun.* 148. no. 194; *Flem. B. A.* 460; *Wood, Conch.* i. 125. t. 29. f. 3; *Cat.* t. 3. f. 10; *Chenu, Illust.* t. 6. f. 8.
Sol. Cultellus, *Penn. B. Z.* ed. 4. iv. 72. t. 46. f. 25 (not *Linn.*).
Sol. centralis, *Say* (fide *Jay*).
Psammobia antiquata, *Turt. Biv.* 91.
Chama solen, *Da Costa, Brit. Conch.* 238.
Solecurtus antiquatus, *Desh. Elem. Conch.* t. 5. f. 8; *Exp. Sci. Alger.* 210.
Solecurtus coarctatus, *Forbes & Hanley, Brit. Moll.* i. 259. t. 15. f. 3; animal, t. I. f. 5.
Solen emarginatus, *Spengler, Skriv. Nat. Sels.* iii. 105.
Azor antiquatus, *Leach, MSS.* 1818; *Ann. & Mag. N. H.* xx. 1847, 272; *Brown, Ill. Conch.* ed. 2. 118. t. 47. f. 6, 7.
Inhab. Ireland.

6. GLYCIMERIS.

Glycimeris, *Klein, Ostrac.* 170, 1753; *Humph. Mus. Calonne.*
Glycymeris (Glycimeris), *Lamk. Prod.* 1799; *Syst.* 126, 1800 (not *Hist.*); *Roissy, Moll.* vi. 422.
Panopæa, *Menard de la Groye, Ann. du Mus.* ix. 1807 (Myadæ, part.), *Forbes & Hanley, Brit. Moll.* i. 173.

1. GLYCIMERIS NORVEGICA.

Mya Norvegica, *Spengler, Skrivt. Naturh. Selskab.* iii. 46. t. 2. f. 18 (not *Chemn.* nor *Gmelin*).
Panopæa Norvegica, *Lovèn, I. M.* 49. 335; *Sow. Min. Conch.* t. ; *Forbes & Hanley, Brit. Moll.* i. 174. t. 11.
Panopæa arctica, *Desh.*; *Gould, Invert. Mass.* 37. f. 27; *Forbes, M. G. S.* i. 407. 6; *Hanley, Rec. Shells,* 18; *Supp.* 10. f. 43; *Dekay, N. York Moll.* 246; *Thorpe, B. Mar. Conch.* 38.
Glycimeris arctica, *Lamk. H.* ed. 2. vi. 70; *King, Ann. N. H.* xviii. 243.
Panopæa glycimeris, *Bean, Mag. N. Hist.* viii. 263. f. 50, 51.
P. Bivonæ, *Philippi, Sicil.* 8. t. 2. f. 1; *Smith, Wern. Mem.* viii. 107. t. 2. f. 4.
Panopæa Spengleri, *Valenc. Arch. de Mus.* i. 15. t. 5. f. 3 (not exact); *Chenu, Ill. Conch.* t. 4. f. 4.
P. Aldrovandi, *Bean*? (not *Lamk.*)
a. Coast of Northumberland.

Fam. 4. NUCULIDÆ.

Nuculidæ, *D'Orb. Pal. Franç. Ter. Cret.* iii. 1844; *Geinitz, Grund. der Verst.* 444, 1846; *Gray, Proc. Zool. Soc.* 1848, 190.
Les Arcacées, part., *Lamk. Cour.* 106, 1812; *Hist.* vi. 57, ed. 2. v. 502.
Arcacés, *Féruss. Prod.* 42; *Rang, Man. M.* 288.
Nuculina, *Agassiz, Nomenclat.* 1847.
Leptopoda, part., *Gray, Med. Repos.* 1821, 237.
Arcadæ, part., *Gray, Syn. B. M.* 1840; 1842, 81, 91.
Arcacea, part., *Lamk. Phil. Zool.* 318, 1809; *Alton, Verz. Conch.* 12.
Arcina, part., *Macgilliv. Moll. Aberd.* 207.
Polydonta, part., *Blainv. Dict. Sci. Nat.* xxxii. 320, 1824; *Malac.* 534.
Arcadæ, part., *Fleming, Brit. Anim.* 382, 1828; *Swainson, Malac.* 382, 1840; *Forbes & Hanley, Brit. Moll.* ii. 214.
Arcaria, part., *Gravenhorst, Thier.* 33, 1845.
Arcaceæ, part., *Menke, Syn.* 60, 1828.
Polybranchiata, part., *Sow. Man.* ed. 2. 233, misprint?
Mactraädæ, part., *Leach,* 1818; *Ann. & Mag. N. H.* xx. 1847, 272.
Mactridæ, part., *Gray, in Sow. Gen.* xvii. tab.

1. NUCULA.

Nucula (nucleus), *Lamk. Prod.* 1799; *Syst. A. s. V.* 115, 1801; *Hist.* vi. 57, ed. 2. vi. 502; *Leach, MSS. Ann. & Mag. N. H.* xx. 272; *Sow. Gen.* ; *Man.* ed. 2. 204; *Conch. Illust.* xiv.-xvi.; *Forbes & Hanley, Brit. Moll.* ii. 214; *Möller, Kroyer, Tidsskr.* iv. 90, 91; *Ind. Moll. Græn.* 16, 1842.

Lembulus (margaritacea), *Sow. Conch. Man.* cd. 2. 170 (not *Leach*).
Glycimeris, part., *Da Costa, Brit. Shells.*
Polydonta (nucleus), *Muhlf. Entw.* 48, 1811 (not *Renieri* nor *Fischer* nor *Blainv.*).
Pectunculus, part., *Schum. Nouv. Ess.*
Arca, sp., *Linn.*
Tellina, sp., and Donax, sp., *Gmelin.*

1. NUCULA NUCLEUS.

Arca nucleus, *Linn. S. N.* i. 1143 (part.); *Penn. B. Z.* ed. 4. iv. 84. n. 59 (not fig.); *Don. B. S.* ii. t. 63, side figs.; *Mat. & Rack. Linn. Trans.* viii. 95; *Mont. T. B.* 141; *Wood, Linn. Trans.* vi. t. 18. f. 3, 6; *Turton, Brit. Faun.* 161. no. 287.
Nucula nucleus, *Forbes & Hanley, Brit. Moll.* ii. 215. t. 47. f. 7, 8; t. P. f. 4, animal.
Nucula nucleus, var. *β*, *Lovèn, I. M.* 34. 256; *Forbes, M. G. S.* i. 416. 65.
Glycimeris argentea, *Da Costa*, 170. t. 15. f. 6, right.
? Nucula argentea, *Brown, Ill. C. G. B.* t. 25. f. 14, 15.
Nucula margaritacea, *Lamk. H.* vi. 6, 2nd ed. vi. 506; *Leach, MSS. Ann. & Mag. N. H.* xx. 272; *Brown, Ill. C. G. B.* 85. t. 33. f. 12; *Philippi, Moll. Sic.* i. 64, ii. 45.
? N. erosa, *Jeffreys, Conch. Mag.* (not described).
a—d. Scarborough.
e—i. Britain. Presented by Mrs. Robinson.

2. NUCULA TENUIS.

Nucula tenuis, *Turt. Biv.* 177; *Flem. B. An.* 402 (not *Philippi*); *Lovèn, I. M.* 34. 259; *Forbes, M. G. S.* i. 417, 671, 418. f. 3; *Forbes & Hanley, Brit. Moll.* ii. 223. t. 47. f. 6; t. P. f. 5 (animal); *Macgilliv. Moll. Aberd.* 244; *Thorpe, Brit. Mar. Conch.* 105; *"Möller?" Lovèn*; *Hanley, Rec. Shells*, i. 171. t. 10, *Arca*, f. 45; *Brown, Ill. Conch. G. B.* 85. t. 33. f. 13; *Gould, Invert. Mass.* 105.
Arca tenuis, *Mont. T. B. Supp.* 56. t. 29. f. 1; *Turt. Conch. Dict.* 11; *Dillw. Rec. Shells*, i. 246; *Ind. Test.* t. 10, *Arca*, f. 45.
Nucula tenera (foss.), *S. Wood, Mag. N. Hist.* 1840, t. 14. f. 2.
a—f. Inverary.
g—i. Britain. Presented by J. Alder, Esq.
j—l. Britain.

3. NUCULA NITIDA.

Nucula nitida, *Sow. Conch. Ill. Nucula*, f. 29. f. 31; *Thorpe, M. Conch.* 248. f. 31; *Hanley, Rec. Shells*, i. 171. t. 19. f. 44; *Lovèn, I. M.* 34. 258; *Forbes & Hanley, Brit. Moll.* ii. 218. t. 47. f. 9.

Arca nucleus, *Mont. T. B.* 14; *Dillw. Rec. Shells*, i. 244 (part.).
a—g. Britain.
h—o. Near Edinburgh. Presented by Miss Greville.

4. NUCULA RADIATA.

Arca nucleus, *Pulteney, Hutch. Dors.* 35; *Mat. & Rack. Dors. Cat.* 37; *Turt. Conch. Dict.* t. 8. f. 1, 2.
Nucula nucleus, *Turton, Bivalves*, 176. t. 13. f. 4; *Thorpe, Brit. Mar. Conch.* 105. f. 74; *Macgilliv. Moll. Aberd.* 243.
Nucula nucleu, *Flem. B. An.* 401.
N. margaritacea, *Blainv. Man. Malac.* t. 65. f. 5; *Sow. Conch. Man.* f. 137.
Nucula radiata, *Hanley*; *Forbes & Hanley, Brit. Moll.* ii. 220. t. 47. f. 4, 5; t. 48. f. 7.
a—d. Britain. Presented by R. M'Andrew, Esq.
e—j. Teignmouth. Presented by J. B. Harvey, Esq.
k—x. Britain.
y—ii, old and young. Britain.

5. NUCULA DECUSSATA.

Nucula decussata, *Sow. Conch. Ill. Nucula*, n. 27. f. 18; *Thompson, Ann. & Mag. N. H.* xx. 174; *Hanley, Rec. Shells*, i. *Supp.* t. 20. f. 8; *Forbes & Hanley, Brit. Moll.* ii. 221. t. 47. f. 1–3.
Nucula sulcata, *Bronn, Ital. Tert. geb.* 109; *Philippi, Moll. Sic.* ii. 45; *Wiegmann's Archiv. Nat.* 1845, 192. t. 7. f. 24, 25.
Nucula Polii, *Philippi, Moll. Sic.* i. 63. t. 5. f. 10; *Jeffreys, Ann. Nat. Hist.* xix. 313.
a—f. Scotland.
g?. Dublin Bay. Presented by J. G. Jeffreys, Esq.

2. LEDA.

Leda (rostrata), *Schumacher, N. Essai*, 172. t. 19. f. 4, 1817; *Möller, in Kroyer's Naturh. Tidsskr.* iv. 91; *Ind. Moll. Græn.* 17, 1842; *Lovèn, Ind. Moll.*
Lembulus (minutus), *Leach, MSS.* 1818; *Ann. & Mag. N. H.* 1847, 272.
Lembulus (rostrata), *Leach, MSS.* 1819, *in Ann. & Mag. N. H.* 1848; *in Risso, Eur. Merid.* iv. 319, 1826.
Nuculana (rostrata), *Licht. Mus. Berl.* 1818.
Dacryomya (lacryma), *Agassiz, Mem. moules Moll.* i. 34; *in Sow. Min. Conch. ed. Germ.* 500, 578, 1839.
Nucula, sp., *Lamk. Hist.*

1. LEDA MONTAGUI.

Nucula Montagui, *Gray, Ann. Phil.* 1825, 138.

Leda Montagui, *Gray*; *Forbes & Hanley, Brit. Moll.* ii. 232.
Nucula rostrata, *Turt. B.* 178 (not *Lamk.*); *Flem. B. An.* 402; *Thorpe, Brit. Mar. Conch.* 106; *Brown, Ill. C. G. B.* 84. t. 33. f. 16; *Hanley, Rec. Shells*, i. 168; *Supp.* t. 20. f. 1.
Arca rostrata, *Mont. T. B. Supp.* 55. t. 27. f. 7 (not *Chemn., Dillw.*, nor *Brug.*); *Turt. Conch. Dict.* 11.
Nuc. curvirostra, *Sow. Conch. Ill. Nucula*, f. 5; *Reeve, Conch. Syst.* t. 85. f. 5.
Nuc. recurva, *Conrad, Journ. Acad. N. S. Philad.* vi. pt. ii. 262. t. 11. f. 21; *Hanley, Rec. Shells*, i. 170.
Hab. Off St. Abb's Head?

2. LEDA CAUDATA.

Arca caudata, *Donov. B. S.* iii. t. 78.
Leda caudata, *Lovèn, I. M.* 34. 261; *Forbes & Hanley, Brit. Moll.* ii. 226. t. 47. f. 11–13; t. P. f. 2, animal.
Nucula minuta, *Turt. Biv.* 178; *Flem. B. An.* 402; *Macgilliv. Moll. Aberd.* 245; *Thorpe, Brit. Mar. Conch.* 106; *Brown, Ill. C. G. B.* 84. t. 33. f. 18; *Hanley, Rec. Shells*, i. 168. t. 10, *Arca*, f. 44 (not *Philippi, Moll. Sic.*; scarcely *Gould, Inv. Mass.*).
? Leda minuta, *King, Ann. N. H.* xviii. 240; *Forbes, M. G. S.* 418. 69. f. 11.
Leda minuta and complanata, *Möller, Ind. Moll. Græn.* 17?
Arca minuta, *O. Fabr. F. Græn.* 414?; *Dorset Cat.* 36. t. 1. f. 16; *Mont. T. B.* 140; *Mat. & Rack. Linn. Trans.* viii. 92; *Turt. Conch. Dict.* 11. f. 98; *Brit. Faun.* 161. no. 286; *Dillw. Rec. Shells*, i. 245; *Ind. Test.* t. 10, *Arca*, f. 44.
Arca modiolus, *Walker, Min. Shells*, f. 81, not *Linn.*
Lembulus minutus, *Leach, Ann. & Mag. N. H.* xx. 272.
N. rostrata, *Brown, Ill. C. G. B.* t. 25. f. 16; *Macgilliv. Moll. Aberd.* 245 (not *Mont.*).
N. tenuisulcata, *Couthouy*, fide *Gould.*

VAR. *a*. Ventricose, short.
N. minuta, *O. Fab.*

VAR. *β*, compressa.
Leda intermedia, *Orst.*
L. complanata, *Möller*, fide *Lovèn*, 34.
a—f. Firth of Forth.
g—k. Inverary.
l—q. Britain. Presented by R. M'Andrew, Esq.
r—w. Scotland.
x, var.? Northumberland. Presented by J. Alder, Esq.
y—g g. British. Presented by R. M'Andrew, Esq.

3. LEDA PERNULA.

Leda pernula, *Lovèn, I. M.* 34.
Arca pernula, *Müller, Berl. Naturf.* iv. (1779), 57.
A. rostrata, *Gmelin, S. N.* (fide *Lovèn*); *Macgilliv. Moll. Aberd.*
Nucula fluviatilis, *Sow.*

VAR. 2. Leda pernula β, *Lovèn, I. M.* 34.
N. oblonga, *Brown, Ill. C. G. B.* t. 25. f. 17.
Leda rostrata, *Forbes, M. G. S.* i. 419. 70.
Inhab. North Sea.

3. YOLDIA.

Yoldia (limatula), *Möller, in Kroyer, Naturh. Tidsskr.* iv. 91, 1832; *Ind. Moll. Græn.* 18; *Lovèn, Ind. Moll. Skand.* 34, 1846.
Nucula, part. (limatula), *Say*; *Philippi.*
Leda, sp., *Forbes*; *Jeffreys.*
Moldia, *Gray, in Stokes, Voy. Austral.* (misprint).

1. YOLDIA PYGMÆA.

Yoldia pygmea, *Lovèn, I. M.* 35. 263.
Nucula pygmea, *Münst. Goldf. Pet. Germ.* t. 125. f. 17 (fossil); *Philippi, Moll. Sic.* ii. 46 (fossil); *S. Wood, Mag. N. Hist. New Ser.* iv. 298. t. 14. f. 7 (fossil).
Leda pygmæa, *Forbes, M. G. S.* i. 419. fig. 2. 411. 71; *Forbes & Hanley, Brit. Moll.* ii. 230. t. 47. f. 10; t. P. f. 3, animal.
Nucula lenticula, *Möller, Moll. Græn.* 17.
Leda tenuis, *Jeffreys, Ann. & Mag. N. H.* xix. 313.
Nucula tenuis, *Philippi, Moll. Sic.* i. 65. t. 5. f. 9 (fossil).
N. gibbosa, *Smith, Wern. Mem.* viii. t. 2. f. 10 (fossil).
a—*c*. Hebrides. Presented by R. M'Andrew, Esq.
d—*i*. Isle of Skye. Ditto.
j—*n*. Isle of Skye.

Fam. 5. MYADÆ.

Myadæ, *Gray, Syn. B. M.* 1840; 1842, 78, 91; *Proc. Zool. Soc.* 1848, 190.
Myadæ, part., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272; *Fleming, B. A.* 410, 1828; *Swains. Malac.* 256, 365, 1840; *Forbes & Hanley, Brit. Moll.* i. 160, 1848.
Les Myaires (Myaria), *Lamk. Cour.* 107, 1812; *Hist.* v. 459, ed. 2. vi. 70; *Féruss. Prod.* 44; *Latr. Fam. Nat.*; *Desh. E. M.* iii. 589.
Myaceæ, *Menke, Syn.* 72.
Myacea, *Menke, Syn.* ed. 2. 119; *Alton, Verz. Conch.* 12.
Myariæ, *Berthold.*
Pyloridés, part., *Blainv. Man.*; *Rang, Man. Moll.* 322.
Myina, part., *Macgilliv. Moll. Aberd.* 219.

Myacidæ, part., *D'Orb. Pal. Franç.* iii. 1845.
Myidæ, *Recluz, Rev. Zool.* 1849, 396.
Myarina, *Rafin. Anal. Nat.* 1815.

1. Mya.

Mya (truncata), *Retz, N. Gen.* 1788; *Spengler, Skrivt. Naturh. Selsk.* iii. 27, 53; *Lamk. Syst.* 1801; *Hist.* v. 459. ed. 2. vi. 71; *Schum. N. Essai*, 116, 1817; *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272; *Gray, Syn. B. M.* 1840; 1842, 78?; *Forbes & Hanley, Brit. Moll.* i. 162.
Mya, part., *Linn. Westg. Res.* 187, 1747; *Syst. Nat.* ed. 10. 670, ed. 12. 1112 (not *Humph.*); *Gmelin, S. N.* i. 3217.
Mya (arenaria), *Megerle, Entw.* 1811.
Mya β. (arenaria), *Blainv. Man.*
Sphænia (arenaria), part., *Turton, Bivalves.*
Chama glycymeris, *Rondel.*
Peloris, part., *Poli.*
Chama, part., *Lister.*
Chamepholas, *Lister.*
Glycimeris, part., *Klein.*

1. Mya truncata.

Lister, Ang. t. 5. f. 36; *Conch.* t. 428. f. 269; *Enc. Méth. Vers*, t. 229. f. 2.
Mya truncata, *Linn. S. N.* i. 1112; *Chemn. C. C.* vi. 8. t. 1. f. 1, 2; *Penn. B. Z.* ed. 4. iv. 66. t. 41. f. 14; *Donov. B. S.* iii. t. 92; *Dorset Cat.* 27. t. 3. f. 1; *Dekay, New York Moll.* 240. t. 29. f. 289; *Mont. T. B.* 32; *Linn. Trans.* viii. 35; *Dillw. R. S.* 42; *Pulteney, Hist. of Dorset*, 27; *Brown, Ill. C.* t. 10. f. 2, 2nd ed. 111. t. 45. f. 2; *Hanley, Rec. Shells*, 19. t. 2, *Mya*, f. 2; *Forbes, M. G. S.* i. 407. 7; *Spengler, S. Nat. Selsk.* iii. 28; *O. Fab. Faun. Græn.* 404; *Gould, Invert. Mass.* 42; *Wood, Gen. Conch.* 90. t. 17. f. 1, 2; *Cat.* t. 2. f. 2; *Turton, Dict.* 97; *Bivalves*, 31; *Brit. Faun.* 146. no. 176; *Flem. B. A.* 462; *Thorpe, B. Mar. Conch.* 40; *Burrows, Elem.* t. 4. f. 1, 2; *Crouch, Introd. Conch.* t. 3. f. 6, 7; *Macgilliv. Moll. Aberd.* 298; *Lamk. Hist.* ed. 2. vi. 73; *Sow. Gen.* f. ; *Conch. Man.* f. 71; *Chenu, Elem.* 48. f. 152; *Desh. Elem. Conch.* t. 8. f. 2.
Chama truncata, *Da Costa*, 233. t. 16. f. 1.

Var. (deep water) Mya pelagica, *King, Ann. N. H.* xviii. 242.

Young. Mya ovalis, *Turton, Brit. Faun.* 146. no. 180; *Biv.* 33. t. 3. f. 1, 2, from *Turt. spec.* fide *Forbes & Hanley*, 166.

Fry. Sphænia Swainsonii, *Turton, Biv.* 37. t. 19. f. 2; *Fleming, B. A.* 466; *Thorpe, Mar. Conch.* 57, from *Turton's specimens* fide *Forbes & Hanley*, 166.

ANIMAL. *Baster. Opusc. Subsec.* iii. 69, 1765; *Recluz, Rev. Zool.* 1849, 397.

a—h. Britain.
„ *i.* Ditto. Presented by Mrs. Robinson.
j—k (Mya ovalis). Scarborough.

2. MYA ARENARIA.

Mya arenaria, *Linn. S. N.* 1112; *Spengler* (*Old Maids*), *Skrivt. Nat. Selsk.* iii. 30; *Chemn. Conch.* vi. 10. t. 1. f. 3, 4; *Linn. Trans.* viii. 35; *Flem. B. Anim.* 463; *Turton, Dict.* 98; *Bivalves*, 32; *Brit. Faun.* 146. no. 177; *Macgill. Moll. Aberd.* 298; *Thorpe, Mar. Conch.* 40; *O. Fab. Fauna Græn.* 405; *Wood, G. Conch.* 91. t. 17. f. 3; *Cat.* t. 2. f. 2; *Dillw. R. S.* i. 42; *Blainv. Man. Malac.* t. 77. f. 1; *Penn. B. Z.* ed. 4. iv. 67. t. 42. f. 16; *Don. B. S.* iii. t. 85; *Mont. T. B.* 30; *Dorset Cat.* 28. t. 4. f. 2; *Dekay, New York Moll.* 240. t. 30. f. 290; *Reeve, Conch. Syst.* t. 33; *Brown, Ill. C.* t. 10. f. 1, 2nd ed. t. 45. f. 1; *Forbes, M. G. S.* i. 408. 8; *Hanley, Rec. Shells*, 19; *Lamk. Hist.* ed. 2. vi. 74; *Mawe, Conch.* t. 4. f. 1; *Sow. Gen.* f. ; *Conrad, Amer. Mar. Conch.* 42. t. 9. f. 1; *Gould, Invert. Mass.* 40; *Chemn. Traité élément.* 48. f. 148, 150 (hinge); *Forbes & Hanley, Brit. Moll.* i. 168. t. 10. f. 4, 5, 6.
Chama arenaria, *Da Costa, B. C.* 232.
Mya acuta, *Say, Journ. Acad. N. S. Phil.* ii. 313.
M. mercenaria, *Say, Journ. Acad. N. S. Phil.* ii. 313.

a—k. Britain.
l. Aberdour, Fifeshire. Presented by Dr. Baird.
m—p. Scarborough.

Fam. 6. ANATINIDÆ.

Anatinidæ, *Gray, Syn. B. M.* 1840; 1842, 77, 91; *Proc. Zool. Soc.* 1848, 190; *D'Orb. Pal. Franç.* 1845; *Geinitz, Grund.* 409, 1846; *Forbes & Hanley, Brit. Moll.* i. 219; *Recluz, Rev. Zool.* 407, 1845, very incorrect.
Anatenidæ, *Conrad, Journ. Acad. N. S. Philad.* 1849, 155.
Les Myaires, part., *Lamk. Cour.* 107, 1812; *Hist.* v. 459, ed. 2. vi. 70; *Féruss. Prod.* 44.
Myacea, part., *Menke, Syn.* 72, 1828.
Myacea, part., *Menke, Syn.* ed. 2. 119; *Alton, Verz. Conch.* 12.
Pylorides, part., *Blainv. Man.*; *Rang, Man. Moll.* 322.
Myina and Mactrina, part., *Macgilliv. Moll. Aberd.* 217, 219.
Myadæ, part., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272; *Flem. B. Anim.* 410, 1828.
Pandoridæ, part., *Forbes & Hanley, Brit. Moll.* i. 213.
Anatina, *Gray, Ann. Phil.* 1825.

Osteodesma, *Desh. in Lamk. Hist.* ed. 2. vi.
Corbulacea, part., *Philippi, Moll. Sicil.* i. 16, ii. 12.
Amphidesmitæ, part., *Latr. Fam. Nat.* 221, 1825.
Lithophagidæ, part., *Broderip, Penny Mag.*; *Sow. Man.* 206, 1839.
Saxicavidæ, part., *Swainson, Elem. Conch.* 1835; *Malac.* 375, 1840 (not *Gray*).
Saxicavina, part., *Agassiz, Nomencl.*
Myina, part., *Milne-Edw. Elem. Zool.* 1843; *Macgillivray, Moll. Aberd.*

1. BONTÆA.

Cochlodesma (Leana), *Couthouy, Boston Journ. N. H.* ii. 170, 1839; *Gray, Ann. Nat. Hist.* ii. 25, 1840; *Wiegm. Arch.* 1840, 216; *Gould, Rep. Inv. Mass.* 48; *Forbes & Hanley, Brit. Moll.* i. 235.
Bontæa, *Leach, MSS. Brit. Mus.* 1819, *in Brown, Illust. Conch. G. B.* 1844.
Thracia, sp., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272; *Gray, Ann. & Mag. N. H.* 1848; *Lovèn, Ind. Skand.*
Ligula, sp., *Montagu, Test. Brit. Supp.* 1808, not *Humph.* 1797.
Anatina, sp., *Turton, Bivalves*; *Conrad, Journ. Acad. Philad.*
Mya, sp., *Montagu, T. Brit.*
Amphidesma, sp., *Fleming, B. A.*
Spoonhinge or Chama, sp., *Petiver. Gazoph.*

1. BONTÆA PRÆTENUIS.

Mya prætenuis, *Pulteney, Dorset*, 28; *Dorset Cat.* t. 4. f. 7; *Mont. T. B.* 41. t. 1. f. 2; *Linn. Trans.* viii. 37; *Donov. B. S.* v. t. 176; *Wood, G. Conch.* 94. t. 24. f. 7, 8, 9; *Cat.* t. 2. f. 5; *Turton, Dict.* 101; *Brit. Faun.* 147. no. 185; *Dillw. R. S.* i. 43.
Amphidesma prætenue, *Flem. B. A.* 432; *Thompson, Rep. Brit. Assoc.* 1843, 263.
Anatina prætenuis, *Férussac, Dict. Class. H. N.*; *Gray, Ann. Phil.* 1825; *Turt. Biv.* 48. t. 4. f. 4; *Macgilliv. Moll. Aberd.* 294; *Thorpe, Mar. Conch.* 43; *Hanley, Rec. Shells*, 23.
Ligula prætenuis, *Mont. Test. Brit. Supp.*; *Brown, Ill. Conch.* 106. t. 42. f. 1; *Recluz, Zool. Soc. Cuvier.* 1845, 416.
Cochlodesma prætenue, *Couthouy, Boston Journ. N. H.* 1839, ii. 171; *Forbes & Hanley, Brit. Moll.* i. 235. t. 15. f. 4.
Thracia pretenuis, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Lovèn, I. M.* 46. 323.
Bontæa pretenuis, *Leach, MSS.* "*Brown.*"
Anatina Leana, *Conrad, Journ. Acad. N. S. Philad.* vi. 263.
Cochlodesma Leana, *Couthouy, Boston Journ. N. H.* ii. 170.
a. Scarborough.

2. THRACIA.

Thracia (pubescens), *Leach, MSS. B. M.* 1819 (not *Westwood*), *in Blainv. D. S. N.* xxxii. 347, 1824; *Malac.* 564, 1825; *Rang, Man.* 324, 1038, 1829; *Desh. E. M.* iii. 1830, *in Lamk. Hist.* ed. 2. vi. 82, 1835; *Philippi, Moll. Sic.* 18. 1836, ii. 16. 1844.
Thracia, sp., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272; *Forbes & Hanley, Brit. Moll.* i. 220.
Anatina, sp., *Gray, Ann. Philos.* 1825; *Férussac, D. Class. Hist. Nat.*
Thracia (corbuloides), *Blainv. Man. Malac.*
Odontocineta (pubescens), *Agassiz, Nomencl. Index*, 255, 1847.
Odoncineta, *Agassiz, Nomencl. Mollusca*, 60; *Ind.* 255.
Cinetodonta, *Herrmann. Index*, 138, 1847.
Odoncinetus, *Costa, Catal. Sistem.* 23, 1829 (see *Philippi, Moll. Sicil.* 19).
Osteodesma, sp., *Blainv. Malac.*
Tellina, sp., *Poli, Test. Sicil.*
Amphidesma, sp., *Lamk. Hist. A. s. V.* 1812.
Anatina, sp., *Lamk. Hist. A. s. V.* 1835; *Turton, Bivalves.*
Ligula, sp., *Montagu, Test. Brit.* 1808, not *Humph.*

1. THRACIA PHASEOLINA.

Tellina fragilis?, *Penn. Brit. Zool.* ed. 4. iv. 73. t. 47. f. 26.
? Mya pretenuis, *Penn. Brit. Zool.* ed. 1812, iv. 160. no. 4. t. 50. f. 1.
Tellina papyracea, *Poli, Sicil.* t. 15. f. 18.
Mya declivis, *Turton, Dict.* 98; ? *Brit. Faun.* 147. no. 184; *Wood, Cat.* t. 2. f. 4.
M. declivis (junior), *Wood, Gen. Conch.* t. 18. f. 3.
Amphidesma declivis, *Flem. B. A.* 432.
Anatina declivis, *Turton, Biv.* 47; *Thorpe, Mar. Conch.* 42.
Thracia declivis, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Thomps. R. Brit. Assoc.* 1843, 263; *Thorpe, M. C.* 24. f. 70.
Amph. oblonga, *Philippi, Sic.* 8. t. 1. f. 4.
Mya pubescens (junior), *Turton, Biv.* t. 4. f. 3.
Amphidesma phascolina, *Lamk. Hist.* v. 492, ed. 2. vi. 129.
Thracia phascolina, *Kiener, Coq. Viv.* t. 2. f. 4; *Desh. Elem.* t. 9. f. 4, 5; *Couthouy, Bost. Journ. N. H.* ii. 147; *Hanley, Rec. Shells*, 22; *Supp.* t. 10. f. 35; *Philippi, Sicil.* ii. 16; *Forbes & Hanley, Brit. Moll.* i. 221. t. 17. f. 5, 6, & t. H. f. 4 (animal); *Lovèn, Ind. Moll. Skand.* 46. 321.
Odoncineta papyracea, *Costa, Test. Sicil.* 23. t. 2. f. 1–4, animal.
Thracia pubescens, *Macgilliv. Moll. Aberd.* 296; *Brown, Ill. Conch.* 110. t. 44. f. 6.
a—*e*. Devonshire.
f—*k*. Saltcoats.
l. Dublin Bay. Presented by T. Warren, Esq.

2. THRACIA VILLOSIUSCULLA.

Anatina villosiuscula, *Macgilliv. Edin. Phil. Journ.* 1827, 370. t. 11. f. 6; *Brown, Ill. C.* t. 44. f. 4.

? Anatina intermedia, *Jeffreys, Conch. Mag.* 45 (not described); *Clark, MSS.*

Thracia ovata, *Brown, Ill. Conch.* ed. 2. 110. t. 44. f. 4.

Thracia villosiuscula, *Forbes & Hanley, Brit. Moll.* i. 224. t. 17. f. 4, 7.

a, b. Dublin Bay. Presented by T. Warren, Esq.
c, d. Scotland.
e—h. Devonshire.
i. Scarborough.

3. THRACIA PUBESCENS.

Anatina pubescens, *Turt. Biv.* 45. t. 4. f. 3; *Thorpe, Mar. Conch.* 41.

Amphidesma pubescens, *Flem. B. A.* 431.

Mya pubescens, *Pulteney, Dorset,* 27; *Mont. T. B.* 40; *Supp.* 166 (chiefly); *Turt. Dict.* 99. f. 35.

Mya declivis, *Donov. B. S.* iii. t. 82; *Maton & Racket, Linn. Trans.* viii. 36; *Dorset Cat.* 28. t. 4. f. 6; *Wood, Gen. Conch.* 93. t. 18. f. 3; *Dillw. R. S.* i. 43 (not var.); ? *Penn. Brit. Zool.* iv. 66. no. 15, ed. 1812, 160. no. 3.

Anatina declivis, *Brown, Ill. C.* t. 11. f. 5.

Anatina myalis, *Lamk. Hist.* n. 9, ed. 2. vi. 80; *Deless. Rec. Coq.* t. 3. f. 3; *Thomps. Rep. Brit. Assoc.* 1843, 263.

Thracia pubescens, *Leach*; *Kiener, Coq. Viv.* t. 2. f. 2; *Thorpe, M. C.* xxiv.; *Couthouy, Boston Journ. N. H.* ii. 135; *Desh. Ency. Méth.* ii. 1039; *Exped. Morée, Zool.* 87. t. 18. f. 12; *Hanley, Rec. Shells,* 21; *Forbes & Hanley, Brit. Moll.* i. 226. t. 16. f. 2, 3.

Thracia declivis, *Brown, Ill. Conch.* 109. t. 44. f. 5.

Thracia Beaniana, *Recluz, Rev. Zool.* 1845, 407.

Thracia Montagui, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272.

a—d. Britain.
e. Ditto. Presented by Mrs. Robinson.
f—i. Devonshire.
j. Falmouth. Presented by W. P. Cocks, Esq.
k, l, junior. Scotland.

4. THRACIA CONVEXA.

Anatina convexa, *Turt. Biv.* 45. t. 4. f. 1, 2; *Brown, Ill. C.* t. 11. f. 3; *Thorpe, Mar. Conch.* 41.

Mya convexa, *Wood, Gen. Conch.* 92. t. 18. f. 1; *Cat.* t. 2. f. 3; *Turt. Dict.* 100.

Amphidesma convexum, *Flem. B. A.* 431.

Thracia convexa, *Couthouy, Boston Journ.* [illegible] *Hist.* 130; *Thorpe, M. C.* 24 = *Lovèn*, 46. 320; *Thomp. Rep. Brit. Assoc.* 1843, 263; *Brown, Ill. Conch.* ed. 2. 110. t. 44. f. 2; *Hanley, Rec. Shells*, 22; *Forbes & Hanley, Brit. Moll.* i. 229. t. 16. f. 1, 4.

Ligula distorta, *Mont. Test. Brit. Supp.* 166 (not original species); *Férussac, Dict. Class. H. N.*; *Gray, Ann. Phil.* 1825.

? Mya declivis, *Don. B. S.* t. 82.

Thracia declivis, *Macgilliv. Moll. Aberd.* 296; *Forbes, M. G. S.* i. 409. 17.

a—c. Salcombe Bay and Plymouth Sound.
d. Belfast Bay. Presented by R. Hyndman, Esq.
e. Lyme Regis. Presented by Mrs. Corrie.
f. Britain. Presented by Mrs. Robinson.

5. THRACIA DISTORTA.

Mya distorta, *Mont. T. B.* 42. t. 1. f. 1 (not *Supp.*); *Linn. Trans.* viii. 37; *Turton, Dict.* 101; *Brit. Faun.* 147. no. 186; *Wood, Conch.* 98; *Cat.* t. 2. f. 15; *Dillw. R. S.* i. 45; *Penn. Brit. Zool.* ed. 1812, iv. 161. no. 5.

Amphidesma distortum, *Flem. B. A.* 432; *Férussac, Dict. Class. H. N.*

Anatina distorta, *Gray, Ann. Phil.* 1825; *Turt. Biv.* 48. t. 4. f. 5; *Thorpe, Mar. Conch.* 43; *Hanley, Rec. Shells*, 23; *Brown, Ill. Conch.* ed. 1. t. 11. f. 7.

Thracia distorta, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272; *Lovèn, I. M.* 46. 322; *Brown, Ill. Conch.* ed. 2. 110. t. 44. f. 7; *Thomps. Rep. Brit. Assoc.* 1843, 263; *Forbes & Hanley, Brit. Moll.* i. 231. t. 17. f. 1, 2, 3, 8, & t. H. f. 5 (animal).

Anatina ovalis, *Brown, Ill. C.* t. 11. f. 4 (regular).

Anatina rupicola *Lamk. Hist.* ed. 2. vi. 80; *Deless. Rec. Coq.* t. 3. f. 4; *Blainv. Man.* 564.

Osteodesma rupicola, *Blainv. Man.* 661.

Rupicola, *Fleur. de Bellev.*

Thracia Turtoniana, *Recluz, Rev. Zool.* 1845, 414.

a—s. Britain. Mus. Mont.?

VAR.

Anatina truncata, *Turt. Biv.* 46. t. 4. f. 6 (var.); *Thorpe, Mar. Conch.* 41; *Hanley, Rec. Shells*, i. 48.

Amphidesma truncatum, *Flem. B. A.* 431.

Thracia truncata, *Brown, Ill. Conch.* ed. 2. 110. t. 42. f. 28.

Thracia distorta, var., *Forbes & Hanley, Brit. Moll.* i. 231.

3. MAGDALA.

Magdala (striata), *Leach, MSS. B. M.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272; *Brown, Ill. Conch. G. B.* 1827.

Lyonsia (striata), *Turton, Brit. Bivalves*, 35, 1822; *Latr. Fam. Nat.* 1825; *Sow. Proc. Z. Soc.* 1834, 88; *Conch. Man.* ed. 2. 65; *Müller, Syn.* 231; *Gray, Ann. & Mag. N. H.* iv.; *Forbes & Hanley, Brit. Moll.* i. 213.

Tetragonoste=Tetragonostea (striata), *Desh. Ency. Méth.* iii. 590, 1830.

Hiatella (striata), *Brown, Ill. Conch. G. B.* 1827, not *Daudin.*

Myatella (striata), *Brown, Ill. Conch. G. B.* ed. 2. 1833, 1844.

Osteodesma (norvegica), *Desh. in Lamk. Hist.* vi. 84, 1838, not *Blainville*; *Couthouy, Boston Journ. N. H.*

Pandorina (coruscans), *Scacchi, Catalog.* 6 (not *Bory St. Vincent*), (see *Philippi, Moll. Sicil.* ii. 15); *Philippi, Wiegm. Arch.* 1839, i. 122; *Möller, Ind. Moll. Grœnl.* 20; *Kroyer, Naturh. Tidsskr.* iv. 93.

Pandora, part., *Philippi, Moll. Sicil.* i. 18, 1838.

Mya, part., *Chemn. Conch. Cab.*; *Montagu, B. S.*; *Fleming, B. A.*

Amphidesma, sp., *Lamk. Hist. A. s. V.*

Anatina, part., *Gray, Ann. Phil.* 1825; *Sow. Gen.* f.

Tellina (coruscans), *Scacchi, Osserv. Zool.* 14, 1833.

Gresslya; *Agassiz, Nomenclat.*

Ceromya, sp., *Agassiz, Nomenclat.*

Mactromya, sp., *Agassiz, Nomenclat.*

1. MAGDALA NORVEGICA.

Mya Norvegica, *Chemn. Conch.* x. 345. t. 170. f. 1647, 1648 (1788); *Turton, Dict.* 100. f. 100; *Flem. B. A.* 466; *Dillw. R. S.* i. 48; *Wood, Conch.* 98. t. 18. f. 4, 5; *Cat.* t. 2 (*Mya*). f. 13; *Thorpe, Mar. Conch.* 40.

Mya nitida, *O. Fab. Skriv. Natur. Selsk.* iv. t. 10. f. 10, 1798.

Mya striata, *Mont. Linn. Trans.* xi. 188. t. 1. f. 13; *Turton, Dict.* 105.

Magdala striata, *Leach* (*Brit. Mus.* 1817), *MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272; *Brown, Ill. Conch.* iii. t. 44. f. 1, 2, 10.

Amphidesma corbuloides, *Lamk. Hist. A. s. V.* 1st ed. v. 492. no. 12, ed. 2. vi. 129.

Mya pellucida, *Brown, Mem. Wern. Soc.* ii. 505. t. 24. f. 1.

Lyonsia striata, *Turton, Bivalves*, 35. t. 3. f. 6, 7.

Anatina Norvegica, *Gray, Ann. Phil.* 1825; *Sow. Gen.* f. 2; *Reeve, Conch. Syst.* t. 34. f. 2.

Osteodesma corbuloides, *Desh. in Lamk. Hist.* ed. 2. vi. 85; *Elem. Conch.* t. 8. f. 12–14; *Chenu, Elem.* 51. f. 164, 165, 166.

Lyonsia Norvegica, *Sow. Conch. Man.* ed. 2. f. 491, 492; *Macgilliv. Moll. Aberd.* 300; *Lovèn, Moll. Suec.* 47. 324; *Thomp. Rep. Brit. Assoc.* 1843, 263; *Forbes & Hanley, Brit. Moll.* i. 214. t. 8. f. 6–9; animal, t. H. f. 3.

Myatella Montagui, *Brown, Ill. Conch.* ed. 2. iii. t. 40. f. 26, 27.
Hyatella striata, *Brown, Ill. Conch.* ed. 1. t. 16. f. 26, 27.
Anatina striata, *Jeffreys, Mal. & Conch. Mag.* 45.
Pandora equivalvis (!), *Philippi, Sicil.* 18. t. 1. f. 11.

Var.

Tellina coruscans, *Scacchi, Osserv. Zool.* 14.
Pandorina coruscans, *Scacchi, Cat.* 6; *Ann. Nat. Hist.* iv. 294. t. 14. f. 1–4.
Osteodesma coruscans, *Philippi, Moll. Sic.* ii. 15. t. 14. f. 1.
Anatina truncata, *Lamk. A. s. V.* ed. 2. vi. 77 (part.); *Desh. Enc. Méth.* ii. 40 (not *Deless.* nor *Hanley*).
Lyonsia elongata, *Gray, MSS. Brit. Mus.*; *Hanley, Rec. Shells*, 25, *Supp.* t. 13. f. 27.
Lyonsia coruscans, *Desh. Exp. Sc. Alger. Moll.* t. 25 A.
a, *b*. England.
c, *d*. Britain.
e. Weymouth.
f. Dublin Bay. Presented by T. Warren, Esq.

Fam. 7. Corbulidæ.

Corbulidæ, *Gray, Syn. B. M.* 1840; 1842, 78, 91; *Proc. Zool. Soc.* 1848, 191; *D'Orb. Paléont. Franç.* 1845; *Forbes & Hanley, Brit. Moll.* i. 179, 1848.
Corbulidæ, part., *Broderip, Penny Cyclop.* xiv. 1839.
Corbuladæ, *Fleming, B. Anim.* 409, 1828.
Les Camacées **, *Lamk. Cour.* 106, 1812.
Les Corbulées (Corbulea), part., *Lamk. Hist.* v. 493, ed. 2. vi. 134.
Corbulæa, *Latr. Fam. Nat.* 1825.
Myacea, part., *Alton, Verz. Conch.* 12.
Pylorides, part., *Blainv. Man. Mal.*; *Rang, Man. Moll.* 322.
Lithophages, part., *Féruss. Prod.* 44.
Lithophaga, part., *Menke, Syn.* 118.
Myina, part., *Macgilliv. Moll. Aberd.* 219.
Corbulacea, part., *Philippi, Moll. Sicil.* i. 16. 1836, ii. 12. 1844; *G. Sow. Man.* ed. 2. 1842; *Hanley, Ill. Cat.* i. 45, 1844.
Corbulacæa, *Hinds, Zool. Sulph.* 67, 1844.
Myina, part., *Macgilliv. Moll. Aberd.* 221.

1. Corbula.

Corbula (sulcata), *Bruguière, Ency. Méth.* t. 230, 1792; *Lamk. Syst. A. s. V.* 137, 1801; *Ann. Mus.* viii. 465; *Hist. A. s. V.* v. 494, ed. 2. vi. 135; *Philippi, Moll. Sicil.* i. 16, ii. 12; *Hinds, Zool. Sulph.* 67; *Forbes & Hanley, Brit. Moll.* i. 179.
Aloidis (Guinensis), *Muhlf. Entwurf*, 67, 1811.

Agina (purpurea), *Turton, Bivalves,* 1822.
Psammolea (Angina), *Latr. Fam. Nat.* 1825 (misprint).
Lentidium (mediterranea), *Cristof. & Jans. Cat.* 8, 1832, Mantissa 4; *Villa, Dispos. Syst.* 45, 1841.
Mya, sp., *Montagu, T. B.*
Tellina, sp., *Olivi, Zool. Ad.*
Saxicava, sp., *Sow. Man.* ed. 2. 60.

1. CORBULA GIBBA.

Tellina gibba, *Olivi, Zool. Adriat.* 101; *Brocchi, Conch. Subap.* ii. 517 (foss.).
Mya inequivalvis, *Mont. T. B.* 38. t. 26. f. 7; *M. & R. Linn. Trans.* viii. 10. t. 1. f. 6; *Turton, Dict.* 107; *Brit. Faun.* 147. no. 182; *Wood, Conch.* 113, *Cat.* t. 3. f. 40; *Dillw. R. S.* 55; *Leach, Ann. & Mag. N. H.* xx. 1847, 273.
Corbula nucleus, *Lamk. H.* ed. 2. vi. 139. no. 6; *Turt. Biv.* 39. t. 3. f. 8–10; *Philippi, Moll. Sicil.* i. 16, ii. 12; *Sow. Conch. Man.* f. 89, *Gen.* f. 1; *Reeve, Conch. Icon.* t. 2. f. 10, *and Conch. Syst.* t. 36. f. 1; *Thorpe, Mar. Conch.* 56; *Forbes, M. G. S.* i. 409. 22; *Brown, Ill. Conch.* 105. t. 42. f. 7–9; *Forbes & Hanley, Brit. Moll.* i. 181. t. 9. f. 7–12; t. G. f. 3, animal; *Desh. Elem. Conch.* t. 8. f. 7–9; *Hanley, Rec. Shells,* 46.
Corbula gibba, *Lovèn, I. M.* 49. 330.
Corbula striata, *Flem. B. A.* 425; *Desh. Exp. Sc. Alger. Moll.* 231.
Cardium striatum, &c., *Walk. M. S.* f. 35.
Corbula Olympica, *Costa, Test. Sicil.* 27.
C. inequivalvis, *Macgilliv. Moll. Aberd.* 303.
C. rotundata, *Sow. Min. Conch.* t. 572.
C. rugosa, *Lamk. Hist.* vi. 141.
Enc. Méth. Vers, t. 230. f. 4, *a, b, c, d.*

JUN.

Mya purpurea, *Mont. Supp. T. B.* 21.
Solen purpurea, *Flem. B. A.* 459.
Agina purpurea, *Turt. Biv.* 54. t. 4. f. 9.
a—f. Britain.
g—j. Ditto.
k—c c. Firth of Forth.
d d. Falmouth. Mus. Leach.
e e—j j, jun. Near Edinburgh. Presented by Miss Greville.

2. CORBULA ROSEA.

Corbula rosea, "*Leach*," *Brown, Ill. Conch.* 105. t. 42. f. 6; *Lovèn, I. M.* 49. 331; *Hanley, Rec. Shells, Supp.* t. 12. f. 33; *Forbes & Hanley, Brit. Moll.* i. 185. t. 9. f. 13, 14.
Inhab. Falmouth, *Leach.*

3. CORBULA OVATA.

Corbula ovata, *Forbes, Malac. Mon.* 53. t. 2. f. 8, 9; *Brown. Ill. Conch.* 105. t. 42. f. 32, 33; *Forbes & Hanley, Brit. Moll.* i. 187. t. 9. f. 15; *Reeve, Conch. Icon.* t. 3. f. 18.
? Corbula (Potamomya) ustulata, jun., *Forbes, l. c.* 189.
Inhab. Isle of Man.

2. SPHÆNIA.

Sphenia (Binghami), *Leach, MSS.* 1819; *Turton, Bivalves*, 36. 1822; *Flem. B. An.* 410, 465; *Gray, Proc. Zool. Soc.* 1848, 190; *Forbes & Hanley, Brit. Moll.* i. 189.
Corbula, sp., *Hanley, Rec. Shells*, 47.
Sphæna, *Defrance, Tabl.* 105, 1824 (misprint); *Blainville, Malac.* 561; *Menke, Syn.* ed. 2. 120, 1830; *Swainson, Malac.* 1840.
Sphænia, *Conrad, Journ. Acad. Phil.*; *Gray*; *Sow. Man.* ed. 2. 176, 262.
Sphena, *Desh. Enc. Méth.* iii. 965, 1832; *Lamk. Hist.* ed. 2. vi. 137.
Mya, sp., *Gray, Ann. Phil.* 1825.
? Arcinella (lævis), *Philippi, Sicil.* ii. 53, 1844, not *Oken* nor *Schum.*

1. SPHÆNIA BINGHAMI.

Sphænia Binghami, *Turt. Biv.* 36. t. 3. f. 3, 4, 5. t. 19. f. 3; *Flem. B. A.* 465; *Thorpe, M. Conch.* 57. f. 32, 33; *Sow. Conch. Man.* f. 96; *Forbes & Hanley, Brit. Moll.* i. 190. t. 9. f. 1–3.
Mya Binghami, *Gray, Ann. Phil.* 1825.
Spenia Binghami, *Brown, Ill. C. G. B.* t. 14. f. 22, 23, 24.
Corbula Binghami, *Hanley, Rec. Shells*, 47, *Supp.* t. 12. f. 4.

2. *Doubtful sp.*

Sphænia costulata, *Macgill. Moll. Aberd.* 301; *Thorpe, M. C.* 245.
Inhab. ——? "Only a single valve yet found."

3. NEÆRA.

Neæra (rostrata), *Gray, Griffith, A. K.* 1834; *Syn. Brit. Mus.* 1840; *Lovèn, Ind. Moll. Suec.* 48; *Forbes, Proc. Z. S.* 1843, 75; *Rep. Brit. Assoc.* 1844; *Recluz, Rev. Zool.* 1844; *Hinds, Zool. Sulph.* 1844; *Forbes & Hanley, Brit. Moll.* i. 194.
Anatina, sp., *Lamk. Hist.* vi. 78.
Erycina (cuspidata), *Risso, Eur. Merid.* iv.
Cuspidaria (cuspidata), *Nardo, Rev. Zool.* 30, 1840.
Thracia, sp., *Brown, Ill. Conch. G. B.*
Corbula, sp., *Brown, Ill. Conch. G. B.*
Mya, sp., *Spengler*; *Chemn.*; *Dillw.*
Naera, *Sow. Man.* ed. 2. 65 (misprint).
Neæra, *Sow. Man.* ed. 2. 198, 310 (misprint).
Neræa, "*Gray*," *Herrmannsen* (misprint).

1. NEÆRA CUSPIDATA.

Tellina cuspidata, *Olivi, Zool. Adriat.* 101. t. 4. f. 3, *a, b, c.*
Neæra brevirostris, *Lovèn, Ind. Moll. Suec.* 48. 327.
Thracia brevirostra, *Brown, Ill. C.* ed. 2. 110. t. 44. f. 11–14.
Erycina cuspidata, *Risso, Eur. Merid.* iv. 366. t. 12. f. 170.
Anatina brevirostris, *Brown, Edinb. Journ. Nat. & Geograph. Sc.* i. 11. t. 1. f. 1–4 (1829).
Neæra cuspidata, *Forbes & Hanley, Brit. Moll.* i. 195. t. 7. f. 4, 5, 6; animal, t. G. f. 4–7.
Cuspidaria typus, *Nardo, Rev. Zool.* 1840, 30.
a—e. Inverary.
f. Loch Fyne. Presented by R. M'Andrew, Esq.

2. NEÆRA COSTELLATA.

Neæra costellata, *Hinds, Proc. Zool. Soc.* 1843, 77; *Forbes, Rep. Brit. Assoc.* 1843; *Jeffreys, Ann. N. H.* xx. 19; *Forbes & Hanley, Brit. Moll.* i. 199. t. 7. f. 8, 9; animal, t. G. f. 8, 9.
Corbula costellata, *Desh. Exped. Morée, Moll.* 86. t. 24. f. 1, 2, 3.
Neæra sulcata, *Lovèn, Moll. Suec.* 48.
? Cuspidaria radiata, *Nardo, Rev. Zool.* 1840, 30.
a—c. Scotland.

3. NEÆRA ABBREVIATA.

Neæra abbreviata, *Forbes, Proc. Zool. Soc.* 1843, 75; *Jeffreys, Ann. & Mag. N. H.* xix. 1847, 314; *Forbes & Hanley, Brit. Moll.* i. 201. t. 7. f. 7 (magnified).
Neæra vitrea, *Lovèn, Moll. Skand.* 48; *Jeffreys, Ann. N. H.* xx. 18.
a—f. Inverary.

4. POROMYA.

Poromya (anatinoides), *Forbes, Rep. Brit. Assoc.* 1843, 191; *Brit. Moll.* i. 203.
Corbula, sp., *Nyst, Nouv. Rech.*; *Jeffreys, Ann. & Mag. N. H.* xx. 19.

1. POROMYA GRANULATA.

Corbula? granulata, *Nyst & Westendorp, Nouv. Rech. Coq. Foss. d'Anvers,* 6. n. 10. t. 3. f. 3, 1839; *Nyst, Desc. Coq. Foss. Belgique,* 1843, 71. t. 1. f. 6; *Jeffreys, Ann. Nat. Hist.* xx. 19.
Tellina polygona?, *Jeffreys, Ann. Nat. Hist.* xix. 314.
Poromya anatinoides, *Forbes, Rep. Brit. Assoc.* 1843, 191; *Forbes & Hanley, Brit. Moll.* i. 204.
Poromya granulata, *Forbes & Hanley, l. c.* i. 204. t. 9. f. 4–6.
Inhab. Isle of Skye, *Jeffreys.*

Fam. 8. PANDORIDÆ.

Pandoridæ, *Gray, Syn. B. M.* 1840; 1842, 78. 91; *Proc. Zool. Soc.* 1848, 192.
Pandoridæ, part., *Forbes & Hanley, Brit. Moll.* i. 206.
Pandoroidæ, *Agassiz, Nom.* 1847.
Les Camacées, part., *Lamk. Cour.* 106, 1812.
Les Corbulées (Corbulea), part., *Lamk. Hist.* v. 497, ed. 2. vi. 134.
Corbulæa, part., *Latr. Fam. Nat.* 1825.
Pandoracea, *Rafin. Anal. Nat.* 1815.
Solenacea, part., *Menke, Syn.* 119.
Myacea, part., *Alton, Verz. Conch.* 12.
Pylorides, part., *Blainv. Man. Mal.*; *Rang, Man. Moll.* 322.
Solen, part., *Féruss. Prod.* 44; *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 273.
Hypogæa, part., *Poli, Test. Sicil.*
Corbulacea, part., *Philippi, Moll. Sicil.* i. 16. 1836, ii. 12. 1844; *Sow. Man.* ed. 2. 122, 310, 1842; *Hanley, Ill. Cat.* i. 45.
Corbulidæ, part., *Brod. Penny Cyclop.* xiv. 1839.
Myadæ?, part., *Leach, Ross's Voy. Baffin's Bay*, 174, 1819.

1. PANDORA.

Pandora (inequivalvis), *Solander, MSS.* (not *Muhlf.* nor *Oken*, nor *Eschscholtz*, nor *Haliday*, nor *Noronh.*); *Brug. Ency. Méth.* 250, 1792; *Lamk. Syst.* 136, 1801; *Hist.* v. 498, ed. 2. vi. 143; *Schum. Essai*, 114, 1817; *Leach, Ross's Voy. Baffin's Bay*, 174, 1819; *Flem. B. A.* 410, 466; *Quoy & Gaim. Voy. Astrol.* iii. 537; *Philippi, Moll. Sicil.* i. 18, ii. 13; *Forbes & Hanley, Brit. Moll.* i. 206.
Calopodium (inequivalvis), *Bolten, Mus.* 1798, ed. 2. 116, 1819.
Trutina, *Brown, Ill. Conch. G. B.* t. 13. f. 5.
Placuna, sp., *Humph. Mus. Calonn.*
Tellina, sp., *Linn. S. N.*
Anomia, sp., *Gronov.*
Solen, sp., *Montag. T. B.*

1. PANDORA INÆQUIVALVIS.

Tellina inequivalvis, *Linn. S. N.* ed. 12. 1118=*Chemn. Conch.* vi. 115. t. 11. f. 106; *Donov. B. S.* t. 41. f. 1; *Mont. T. B.* 75, & *Supp.* 27; *Linn. Trans.* viii. 50; *Spengler, Besch. Berl. Gesch. Nat.* iii. t. 7. f. 25–28; *Turt. Conch. Dict.* 172; *Brit. Faun.* 151. no. 217; *Wood, Gen. Conch.* 201. t. 47. f. 2–4; *Cat.* t. 5. f. 97; *Dillw. R. S.* i. 86.
Pandora inequivalvis, *Flem. B. A.* 466; *Poli, Test. Sicil.* t. 15. f. 5, 6, 9.

Pandora rostrata, *Lamk. Hist.* vi. 145. no. 1; *Sow. Gen.* f. 1, 2, 3; *Spec. Conch.* t. 2. f. 7, 8, 9; *Conch. Man.* f. 90; *Reeve, Conch. Syst.* t. 37. f. 1–3; *Thorpe, Mar. Conch.* 58; *Brown, Ill. Conch.* 104. t. 47. f. 5, 12, 13; *Desh. Elem.* t. 8. f. 10, 11; *Exp. Sci. Alger. Moll.* t. 24, animal; *Chenu, Elem.* 58. f. 194, 195; *Hanley, Rec. Shells,* 48; *Forbes & Hanley, Brit. Moll.* i. 207. t. 8. f. 1–4.

P. margaritacea, *Turt. Biv.* 40. t. 3. f. 11–14.

Calopodium, *Bolten, Mus.* ed. 2. 116, 1819.

Inhab. Guernsey and Jersey; abundant.

2. PANDORA OBTUSA.

Solen Pinna, *Mont. T. B.* 567. t. 15. f. 3; *Linn. Trans.* viii. 48; *Turton, Brit. Faun.* 149. no. 198; *Penn. B. Z.* ed. 1812, iv. 175. t. 67. f. 3; *Wood, Conch.* 141; *Cat.* t. 3. f. 35.

Pandora obtusa, *Leach, Ross's Voy. Baffin's Bay,* 174, 1819; *Ann. & Mag. N. H.* xx. 1847, 273; *Lamk. Hist.* ed. 2. vi. 145. no. 2; *Forbes & Hanley, Brit. Moll.* i. 210. t. 8. f. 5, & t. G. f. 10, animal; *Thorpe, Mar. Conch.* 57. f. 15; *Sow. Spec. Conch.* t. 2. f. 1, 2, 3; *Deless. Rec. Coq.* t. 4. f. 8; *Philippi, Moll. Sicil.* ii. 14. t. 13. f. 13; *Hanley, Rec. Shells,* 48. t. 3. f. 35; *Penn. B. Z.* ed. 4. iv. t. 64, figures at bottom of plate without numbers; no description.

Trutina solenoidea, *Brown, Ill. C.* t. 13. f. 5.

a—p. Plymouth Sound.

q—v. Oban.

Fam. 9. GALEOMMIDÆ.

Galeommidæ, *Gray, Syn. B. M.* 1840; 1842, 78, 91; *Proc. Zool. Soc.* 1848, 192.

Corbulacea, part., *Philippi, Moll. Sicil.* i. 16. 1836, ii. 12. 1844.

Myadæ, part., *Fleming, B. A.* 410, 466, 1828.

Saxicavidæ, part., *Swainson, Malac.* 376.

Pholadaria, part., *Sow. Conch. Man.* ed. 2. 151.

1. GALEOMMA.

Galeomma (Turtoni), *Turton, Zool. Journ.* ii. 361. t. 13. f. 1, 1825; *Fleming, B. A.* 410, 466; *Sow. Gen. Shell,* t. ; *Desh. in Lamk. Hist.* ed. 2. vi. 179, 1835; *Philippi, Wiegm. Arch.* i. 117.

Galeomna, *Hanley, Ill. Cat.* i. 59 (misprint).

Parthenope (formosa), *Scacchi, Osserv. Zool.* 19, not *Fabric.*

Psammobia (aurantia and vitrea), *Lamk. Hist.* vi.; *Quoy & Gaim. Voy. Astrol.*

Hiatella (Polii), *Costa, Ann. Sci. Nat.* viii. 169; *Delle Chiaje, Test. Sicil.* t. 80.

1. GALEOMMA TURTONI.

Galeomma, *Turton, Zool. Journ.* ii. 361; *Ann. Nat. Hist.* iv. 92. t. 3. f. 4.

Galeomma Turtoni, *Sow. Zool. Journ.* ii. 361. t. 13. f. 1; *Flem. Brit. An.* 466; *Sow. Gen. Galeom.* f. 1, 2, 3; *Conch. Man.* f. 58, 59; *Brown, Ill. Conch. G.B.* 114. t. 23. f. 15, 16; *Thorpe, M. C.* 33. f. 72; *Philippi, Sicil.* ii. 18. t. 14. f. 4, animal; *Lamk. Hist.* 2nd ed. vi. 180; *Desh. Elem. Conch.* t. 11. f. 13–17; *Reeve, Conch. Syst.* i. 54. f. 1–3; *Desh. Exp. Sci. Alger. Moll.* t. 82 (anatomy), & t. 81. f. 11–15; *Mittre, Ann. Sc. Nat.* 3rd ser. vii. 169. t. 5. f. 1–8; *Forbes & Hanley, Brit. Moll.* ii. 105. t. 36. f. 11, and t. O. f. 5.

Hiatella Polii, *Costa, Ann. Sci. Nat.* 1st ser. xv. 100.

H. striata, *Chiaje*, t. 80. f. 9, ined.

Parthenope formosa, *Scacchi, Cat.* 4, *Oss. Zool.* 8. t. 19, fide *Philippi.*

Galeomna Turtoni, *Hanley, Ill. Cat.* i. 59. t. 9. f. 42.

a—*d.* Guernsey.

Fam. 10. LASIADÆ.

Lasiadæ, *Gray, Syn. B. M.* 1840; 1842, 79, 91; *Proc. Zool. Soc.* 1848, 192.

Kelliadæ, *Forbes & Hanley, Brit. Moll.* ii. 71.

Myina, part., *M.-Edw. Elem. Zool.* 1843; *Macgilliv. Moll. Aberd.* 219.

Tellinina, part., *Macgilliv. Moll. Aberd.* 219, 276, 1843.

Mactracea, part., *Gould, Invert. Massach.* 60, 1841; *Lea, Proc. Phil. Soc.* iii. 164; *Philippi, Sicil.* i. 9, ii. 7.

Mactradæ, part., *Flem. B. A.* 409, 1828.

Petricola, sp., *Gray, Ann. Phil.* 1825.

Front of mantle often enlarged and produced so as to give the appearance of a tube.

1. LASEA.

Lasea (rubra), *Leach, MSS. B. M.* 1819; see *Gray, Ann. & Mag. N. H.* 1848.

Kellia, part. (rubra), *Turton, Bivalves*, 57; *Fleming, B. A.* 430; *Forbes, Malac. Mon.* 49; *Forbes & Hanley, Brit. Moll.* ii. 94.

Lasæa, "*Leach*," fide *Brown, Ill. Conch. G. B.* 1827; *Conch. Text-Book*, 1833; *Herrmann. Ind.* 377.

Lesæa, "*Leach*," *Möller, Nat. Tidsskr.* iv. 93, 1842 *Index Moll. Græn.* 20; *Philippi, Wiegm. Arch.* i. 51, 1845.

Petricola, sp., *Gray, Ann. Philos.* 1825.

Borula, sp., *Philippi*, 1836; *Desh. Exp. Alger.*

Erycina (violacea), *Scacchi, Cat.* 6.

? Amphidesma, sp., *Lamk.* 1818.
Poronia (rubra), *Hanley* (*Thorpe*) *Brit. Mar. Conch.* 80.
Cycladina (Adansonii), *Cantraine*, 1830.
Poronia (Adansonia), *Recluz*, 1846.
Chama (Poron), *Adanson, Seneg.*

1. LASEA RUBRA.

Cardium rubrum, *Mont.* (not *Reeve*) *T. B.* 83. t. 27. f. 4; *Linn. Trans.* viii. 66; *Wood, Gen. Conch.* 213; *Walker, T. M. rar.* t. 3. f. 86; *Dillw. Rec. Shells*, i. 131; *Turton, Brit. Faun.* 153. no. 231.
Tellina rubra, *Turt. Conch. Dict.* 168.
Kellia rubra, *Turt. Biv.* 57 & 258. t. 11. f. 7, 8; *Flem. Brit. An.* 430; *Thorpe, Brit. Mar. Conch.* 51; *Macgilliv. Moll. Aberd.* 277; *Hanley, Rec. Shells*, 43; *Supp.* t. 9. f. 49; *Forbes & Hanley, Brit. Moll.* ii. 94. t. 36. f. 5–7, & t. O. f. 3 (animal).
Poronia rubra, *Recluz, Rev. Zool.* 1843, 175; *Thorpe, M. C.* 25; *Chenu, Ill. Conch. Poronia*, 3.
Lasæa rubra, *Leach, MSS.*; *Brown, Ill. Conch.* (1827), t. 20. f. 17–19.
Lesæa rubra, *Brown, Ill. Conch.* ed. 2. 93. t. 36. f. 17, 18.
Petricola rubra, *Gray, Ann. Phil.* 1825.
Bornia seminulum, *Philippi, Sic.* i. 14. t. 1. f. 16, ii. 11; *Desh. Exp. Scien. Alger. Moll.* t. 43. f. 8–11, & t. 43. A. f. 6–8, anatomy.
Erycina violacea, *Scacchi, Cat.* 6.
? Amphidesma nucleola, *Lamk.* v. 493.
Cycladina Adansonii, *Cantr. Bull. Acad. Brux.*
Cyclas australis, *Lamk. Hist.*
a—*s*. Ilfracombe. Presented by J. E. Gray, Esq.
t—*x*. Tynemouth.
y—*a a*. Whitby, Northumberland.
b b—*l l*. Mount Batten rocks.

2. KELLIA.

Kellia (suborbicularis), *Turt. Biv.* 57, 1822; *Flem. B. A.* 409, 430.
Chironia (Leperousii), *Desh. Rev. Zool.* 1839, 356; *Wiegm. Arch.* ii. 1840, 216; 1841, 280; *Guérin, Mag. Zool.* 1840, t. 12.
Tellimya, sp., *Brown, Ill. Conch. G. B.*
Bornia, sp. (inflata), *Philippi, Sicil.* i. 14.
Mya, sp., *Montagu, T. B.*
Petricola, sp., *Gray, Ann. Phil.*
Erycina, sp. *Recluz*; *Payrand. Moll. Cors.*
Amphidesma, sp., *Lamk. Hist.*
Tellina, sp., *Turton, Conch. Dict.*

1. KELLIA SUBORBICULARIS.

Mya suborbicularis, *Mont. T. B.* 39. 564. t. 26. f. 6; *Linn. Trans.* viii. 41; *Dillw. Rec. Shells*, i. 55; *Turton, Brit. Faun.* 147. no. 183.
Kellia suborbicularis, *Turton, Biv.* 57. t. 11. f. 5, 6; *Flem. Brit. An.* 430; *Macgilliv. Moll. Aberd.* 276; *Lovèn, I. M.* 44. 309; *Thorpe, Brit. Mar. Conch.* 51; *Alder, Cat. North. Moll.* 93; *Ind. Test.* t. 3. f. 37; *Forbes & Hanley, Brit. Moll.* ii. 87. t. 18. f. 9, 9 *a* & 9 *b*; t. O. f. 4, animal.
Petricola suborbicularis, *Gray, Ann. Phil.* 1825.
Erycina suborbicularis, *Recluz, Rev. Zool.* 1844.
Erycina Geoffroyii, *Payr. Cors.* 30. t. 1. f. 3–5.
Amphidesma physodes, *Lam.* fide *Cab.*
Tellina suborbicularis, *Turt. Conch. Dict.* 179.
Tellimya suborbicularis, *Brown, Ill. C.* t. 14. f. 14, 15, 2nd ed. 106. t. 42. f. 14, 15.
Tellimya tenuis, *Brown, Ill. C.* t. 14. f. 12, 13.
Bornia inflata, *Philippi, Moll. Sic.* i. 14, ii. 11.
a—*d*. Northumberland.
e—*h*. Scotland.
i—*n*. Oban.

2. KELLIA LACTEA.

Tellimya lactea, *Brown, Ill. C.* t. 14. f. 10, 11.
Kellia lactea, *Lovèn, I. M.* 44. 310.
? Bornia inflata, *Philippi, Sicil.* 14.
Hab. Devonshire coast, "*Dr. Leach*," fide *Brown*.

3. CYAMIUM.

Cyamium (antarcticum), *Philippi, in Arch. Naturg.* i. 50, 1845. *and in Erichson, Arch.* 1847, t. 3. f. 8; *Herrmann. Ind.* 336.
Cyamium (minutum), *Lovèn, Ind. Moll.* 42, 306.
Lesæa (minuta), *Möller, Ind. Moll. Græn.* 20.
Montacuta (purpurea), *Hanley, Thorpe's Brit. Mar. Conch.*
Turtonia (minuta), *Alder, Cat. Moll. North.*; *Forbes & Hanley, Brit. Moll.*
Mya, sp., *Montagu, T. B.*
Solen, sp., *Fleming, B. A.*
Erycina, sp., *Recluz, Rev. Zool.*
Saxicava, sp., *Brown, Ill. B. Conch.*

1. CYAMIUM MINUTUM.

Venus minuta, *O. Fab. F. G.* 412.
Mya purpurea, *Montag. T. B. Supp.* 21; *Turt. Conch. Dict.* 102; *Wood, Gen. Conch.* 100; *Dillw. Rec. Shells*, i. 46.
Erycina purpurea, *Recluz, Rev. Zool.* 1844, 329.

Solen purpurea, *Fleming, Brit. An.* 459.
Saxicava purpurea, *Brown, Ill. C.* ed. 2. 103 (not figures).
Turtonia minuta, *Alder, Cat. North. Moll.* 95; *Forbes & Hanley, Brit. Moll.* ii. 81. t. 18. f. 7, 7 *a*; t. O. f. 1 (animal).
Lesæa minutum, *Möller, Ind. Moll. Gr.* 20.
Montacuta? purpurea, *Hanley, in Thorpe's Mar. Conch.* 25. f. 14 (note).
Cyamium minutum, *Lovèn, I. M.* 42. 306.

4. Montacuta.

Montacuta (substriata), *Turton, Conch. Dict.* 102, 1819; *Bivalves*, 59, 1822; *Lovèn, Ind. Moll. Skand.* 43, 1846 (not *Fleming, B. A.* 285, 1828, nor *Leach*, 1825).
Tellimya (substriata), sp., *Brown, Ill. Conch. G. B.*
Ligula, part., *Montagu, T. B.*
Erycina, part., *Recluz, Rev. Zool.* 1844.
Petricola, part., *Gray, Ann. Phil.* 1825.

1. Montacuta substriata.

Montacuta substriata, *Turt. Biv.* 59. t. 11. f. 9, 10; *Flem. Brit. An.* 465; *Forbes & Hanley, Brit. Moll.* ii. 77. t. 18. f. 8, 8 *a*; t. O. f. 2, animal; *Lovèn, I. M.* 43. 308; *Alder, Cat. North. & Durh. Moll.* 96; *Macgilliv. Moll. Aberd.* 303; *Thorpe, Brit. Mar. Conch.* 51.
Ligula substriata, *Mont. T. B. Supp.* 25.
Mya substriata, *Mont. T. B.* 47; *Turt. Conch. Dict.* 103; *Wood, Gen. Conch.* 102; *Dillw. Rec. Shells*, i. 47.
Tellimya substriata, *Brown, Ill. C.* t. 16. f. 23. ed. 2. 107. t. 40. f. 23.
Erycina substriata, *Recluz, Rev. Zool.* 1844, 330.
? Sphænia costulata, *Macgilliv. Moll. Aberd.* 301; *Thorpe, Brit. Mar. Conch.* 245; *Brown, Ill. Conch. G. B.* 133.
a—i. Northumberland. Adheres to the spines of the oral surface of *Spatangi*.

2. Montacuta bidentata.

Mya bidentata, *Mont. T. B.* 44. t. 26. f. 5; *Linn. Trans.* viii. 41; *Turt. Conch. Dict.* 102; *Brit. Faun.* 147. no. 187; *Wood, Gen. Conch.* 99; *Dillw. Rec. Shells*, 45; *Leach, Ann. & Mag. N. H.* xx. 1847, 273.
Montacuta bidentata, *Turt. Biv.* 60; *Flem. Brit. An.* 465; *Macgilliv. Moll. Aberd.* 302; *Thorpe, M. Conch.* 52. f. 58; *Forbes, M. G. S.* i. 409. 21; *Alder, Cat. North. & Durh. Moll.* 95; *Forbes & Hanley, Brit. Moll.* ii. 75. t. 18. f. 6 & 6 *a*.
Petricola bidentata, *Gray. Ann. Phil.* 1825; *Hanley, Rec. Shells*, 54.
Erycina bidentata, *Recluz, Rev. Zool.* 1844, 331.

Tellimya bidentata, *Brown, Ill. Conch. G. B.* 107. t. 44. f. 8, 9.
Anatina bidentata, *Brown, Ill. C.* t. 11. f. 8, 9.

3. MONTACUTA FERRUGINOSA.

Mya ferruginosa, *Mont. T. B. Supp.* 22 & 126. t. 26. f. 2; *Dorset Cat.* 28; *Turt. Conch. Dict.* 102; *Wood, Gen. Conch.* 100; *Dillw. Rec. Shells*, i. 46; *Ind. Test.* t. 2. *Mya*, f. 19.
Mya ferruginea, *Leach, Ann. & Mag. N. H.* xx. 1847, 273.
Montacuta ferruginosa, *Turt. Biv.* 60; *Fleming, Brit. An.* 465; *Hanley, Rec. Shells*, 40; *Thorpe, Mar. Conch.* 52. f. 16; *Forbes & Hanley, Brit. Moll.* ii. 72. t. 18. f. 5, 5 *a* & 5 *b* (as ferrug*inea*).
Poronia? ferruginosa, *Jeffreys, Ann. & Mag. N. H.* xix. 313.
Tellimya elliptica, *Brown, Ill. C.* t. 14. f. 16–18. 2nd ed. t. 42. f. 19.
? Tell. glabra (var.), *Brown, Ill. C.* t. 14. f. 19. 2nd ed. 107. t. 42. f. 20, 21.
Tell. ovata, *Brown, Ill. C.* t. 14. f. 20, 21 (not 2nd edit.).
Montacuta ovata, *Thomp. Rep. Brit. Assoc.* 1843, 262.
Erycina ferruginosa, *Recluz, Rev. Zool.* 1844, 332.
Montacuta oblonga (young), *Turt. Brit. Biv.* 61. t. 11. f. 11, 12; *Flem. Brit. An.* 465; *Thorpe, Brit. Mar. Conch.* 52; *Macgilliv. Moll. Aberd.* 302.
Montacuta glabra, *Macgilliv. Moll. Aberd.* 303; *Thorpe, Brit. Mar. Conch.* 245.
a—*c*. Plymouth Sound. Mus. Mont.

Fam. 11. LEPTONIDÆ.

Leptonidæ, *Gray, Proc. Zool. Soc.* 1848, 193.
Lasiadæ, part., *Gray, Syn. B. M.* 1842, 79, 91.
Kelliadæ, part., *Forbes & Hanley, Brit. Moll.* ii. 1849.
Tellinina, part., *Macgilliv. Moll. Aberd.* 214.

1. LEPTON.

Lepton (squamosus), *Turton, Bivalves*, 62, 1822 (not *Plin.*); *Flem. B. A.* 409, 429; *Swains. Malac.* 366; *Conrad, Foss. Tert. Form.* 19, 1840; *Forbes & Hanley, Brit. Moll.* ii. 97.
Mactra, sp., *Montagu, T. B.*

1. LEPTON SQUAMOSUM.

Solen squamosus, *Mont. T. B.* 565; *Turt. Dict.* 164; *Brit. Faun.* 149. no. 197; *Linn. Trans.* viii. 48; *Wood, Gen. Conch.* 140; *Dillw. Rec. Shells*, i. 70; *Leach, Ann. & Mag. N. H.* xx. 1847, 273.
Lepton squamosum, *Turt. Biv.* 62. t. 6. f. 1–3; *Flem. Brit. An.* 429; *Thorpe, Brit. Mar. Conch.* 49; *Brown, Ill. Conch. G. B.* 111. t. 40. f. 7; *Sow. Conch. Man.* f. 62; *Forbes & Hanley, Brit. Moll.* ii. 98. t. 36. f. 8, 9; t. O. f. 6, animal.

Mactra squamosa, *Gray, Ann. Phil.* 1825.
Psammobia punctura, *Brown, Ill. C. G. B.* t. 16. f. 7.
Lutraria squamosa, *Hanley, Rec. Shells,* i. 28, *Supp.* t. 9. f. 47.
Lepton squammeux, *Chenu, Traité Elém.* 47. f. 148.
a. Weymouth.

2. LEPTON NITIDUM.

Lepton nitidum, *Turton, Biv.* 63; *Flem. Brit. An.* 429; *Thorpe, Brit. Mar. Conch.* 49; *Macgilliv. Moll. Aberd.* 278; *Brown, Ill. Conch. G. B.* 111.
Lepton squamosum jun.?, *Jeffreys, Ann. N. H.* xx. 19.
Kellia nitida, *Forbes & Hanley, Brit. Moll.* ii. 92. t. 36. f. 3, 4.
Inhab. Torbay, *Turton.* Bantry Bay, *Lyons.* Island of Skye. *Jeffreys.*

3. LEPTON CONVEXUM.

Lepton convexum, *Alder, Cat. North. & Durh. Moll.* 93; *Forbes & Hanley, Brit. Moll.* ii. 102. t. 36. f. 10.
Inhab. Cullercoats, *Alder.* Bantry Bay, *M'Andrew.*

Fam. 12. SAXICAVIDÆ.

Saxicavidæ, *Gray, Syn. B. M.* 1840; 1842, 79, 91; *Proc. Zool. Soc.* 1848, 193; *Rev. Zool.* 1844, 408.
Saxicavidæ, part., *Swainson, Elem. Conch.* 1835; *Malac.* 375, 1840.
Les Lithophages and Les Cardiacées, part., *Lamk. Cour.* 106, 1812.
Les Lithophages, part., and Les Cardiacées, part., *Lamk. Hist.* v. 501, vi. 29, ed. 2. vi. 147, 385.
Pyloridea, part., *Blainv. Dict. Sc. Nat.*; *Rang, Man. Moll.* 322.
Gastrochænidæ, part., *Forbes & Hanley, Brit. Moll.* i. 136, 1848.
Solenaceæ, part., *Lamk. Phil. Zool.* 1809.
Pholadiadæ, part., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272.
Pholidaria, part., *Rafin. Anal. Nat.* 1815.
Solenacea, part., *Alton, Verz. Conch.* 12.
Pholades, part., *Féruss. Prod.* 45.
Lithophaga, part., *Menke, Syn.* 118.
Solenina, part., *Macgilliv. Moll. Aberd.* 217.
Saxicavina, part., *Agassiz, Nomencl.*
Pholadidæ?, part., *Leach, Ross's Voy. Baffin's Bay,* 174, 1819.
Biapholus, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272.

1. SAXICAVA.

Saxicava, *Fleuriau de Bellevue, Bull. Soc. Philom.* no. 62, 1802; *Journ. Phys.* liv.; *Schweiger, Naturg.* 700, 1820; *Blainv.*

Malac. 571; *Sow. Gen.*; *Lamk. Phil. Zool.* 1809; *Ext. du Cour.* 1812; *Hist. A. s. V.* v. 501, ed. 2. vi. 150; *Rang, Man. Moll.* 333; *Forbes & Hanley, Brit. Moll.* i. 137.

Rhombus, *Blainv. Dict. Sci. Nat.* x. 1818 (not *Montf. &c.*).

Rhomboides, *Blainv. Dict. Sci. Nat.* xxxii. 355, 1824; *Man. Malac.* 573, 1825; *Rang, Man. Moll.* 335; *Menke, Syn.* ed. 2. 118.

Pholeobia (rugosa), *Leach, Journ. Phys.* 1819, lxxxviii.; *Ross, Voy. Arctic Reg.* 174; *Isis*, 1820, 130.

Pholeobius, *Sow. Man.* ed. 2. 225 (misprint).

Byssomya (Pholadis), *Cuvier, R. A.* iii. 1817, ed. 2. 1830; *Rang, Man. Moll.* 334.

Byssomia, *Desh. Enc. Méth.* iii. 553 (misprint).

Byssonia, *Blainv. D. S. Nat.* v. 158 (misprint).

? Clotho ( ), *Faujas St. Fond, Ann. Mus.* xi. 384, 1807; *Defrance, Dict. Sci. Nat.* ix. 421; *Blainv. Malac.* 561; united to Saxicava, *Desh. E. M.* ii. 247, 1830.

Glycymeris, *Schum. N. Syst.* 1817 (not *Lamk.*).

Chamæpholas, *Lister, Conch.*

Hypogæa and Hypogæoderma (barbata), part., *Poli, Test. Sicil.*

Cardita, part., *Brug. E. M.* 1791.

Biapholus, sp., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272.

Corbula, part., *Bolten. Mus.*

Cyrtodaire, part., *Daudin, Bull. Soc. Phil.* 1798.

Irus, part., *Oken, Lehrb.* iii. 1815.

Mya, sp., *Fab. Faun. Græn.*

1. SAXICAVA RUGOSA.

Mytilus rugosus, *Penn. B. Z.* ed. 1. iv. 94. t. 63. f. 72, ed. 1812. t. 66. f. 1; *Pult. Hutch. Dors.* 37; *Dors. Cat.* 39. t. 13. f. 5; *M. & R. Linn. Trans.* viii. 105. 270. t. 6. f. 3, 4; *Mont. T. B.* 164; *Dillw. R. S.* i. 304; *Wood, Cat.* t. 12. f. 9; *Donov. B. S.* iv. 141; *Turt. Conch. Dict.* 113; *Brit. Faun.* 164. no. 311.

Mytilus Pholadis, *Linn. Mantissa?*, 548; *Müller, Zool. Dan.* t. 87. f. 1, 2, 3.

Saxicava rugosa, *Lamk. Hist.* ed. 2. vi. 152; *Turt. Biv.* 20. t. 2. f. 10; *Sow. Gen.* f. 2, 3, 4; *Forbes & Hanley, Brit. Moll.* i. 146. t. 6. f. 7, 8. t. F. f. 6; *Rang, Man. Moll.* 333 (animal); *Macgilliv. Moll. Aberd.* 285; *Brown, Ill. C. G. B.* 103. t. 47. f. 14–16; *Crouch, Int. Conch.* t. 5. f. 3; *Reeve, Conch. Icon.* i. t. 50. f. 2, 3, 4; *Hanley, Rec. Shells*, 50.

Hyatella rugosa, *Flem. B. A.* 461; *Thorpe, Brit. Mar. Conch.* 58.

Rhomboides rugosus, *Blainv. Man.* 573.

Mya byssifera, *O. Fab. Faun. Græn.* 408.

Pholeobia rugosa, *Leach, Ross's Voy. Baffin's Bay*, 174, 1819; *Journ. Phys.* 1819, lxxxviii. 465; *Brown, Ill. C. G. B.* t. 9. f. 15.

Biapholus rugosus, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272.
Sax. gallicana, *Lamk. Hist.* ed. 2. vi. 152; *Deless. Rec.* t. 4. f. 9; *Desh. Elem. Conch.* t. 12. f. 1–3; *Hanley, Rec. Shells, Supp.* t. 9. f. 5.
Sax. Pholadis, *Lamk. Hist.* ed. 2. vi. 152; *Turton, Dithyra Brit.* 21. t. 2. f. 11; *Hanley, Rec. Shells,* 50.
Mya rustica, *Brocchi.*
Sax. rustica, *Bronn.*
Saxicava distorta, *Say*; *Gould, Invert. Mass.* 61. f. 40.
Byssomya pholadis, *Bowdich, Bivalves,* f. 43.
Byssomia ( ), *Cuvier, R. A.*; *Rang, Man. Moll.* 334.
Hiatella oblonga, jun., *Turton, Dithyra Brit.* 25. t. 2. f. 13.
Rhomboides (rugosus), *Blainv. Man. Malac.*; *Rang, Man. Moll.* 335.
Saxicave ridée, *Chenu, Trait. Elem.* 58. f. 197, 198.
List. Ang. t. 4. f. 21; *Conch.* t. 426. f. 267.
a—s. Britain.
t—v. Ditto. Presented by Mrs. Robinson.
w, group *in situ.* Falmouth. Presented by W. P. Cocks, Esq.
x, jun. Ilfracombe. Presented by J. E. Gray, Esq.
VAR.
Saxicava, n. s.?, *Forbes & Hanley, Brit. Moll.* i. 149. t. 6. f. 1–3.
Inhab. Isle of Wight, *Hanley.*

2. HIATELLA.

Hiatella, *Daudin, Rec. Mem. Moll. Paris,* 1800, *& in Bosc, Hist. Nat. Coq.* iii. 120, 1802; *Roissy, Moll.* vi. 385, 1805; *Lamk. Extr. Cour.* 1812; *Hist.* v. 29, ed. 2. vi. 442; *Cuvier, R. A.* iii. 1817; *Blainv. Malac.* 573; *Rang, Man.* 335, 1829; *Gray, Rev. Zool.* 1846, 419; *Turton, Bivalves,* 24.
Hyatella, *Féruss. Prod.* 45; *D'Orb.*; *Desh. E. M.* iii. 271, 552.
Didonta, *Schum. Essai,* 125, 1817.
Diodonta, *Herrmannsen, Ind.* 388.
Pholeobia, sp., *Brown, Ill. Conch. G. B.*
Saxicava, part., *Sow. Man.* ed. 2. 176; *Philippi, Sicil.* i. 20.
Biapholus, sp., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272.
Solen, sp., *Linn. S. N.* 1114; *Lamk. Hist.* v. 453, ed. 2. vi. 57; *Spengler, Skrivt. N. S.*
Cardita, sp., *Brug. Ency. Méth.*
Donax, sp., *Poli, Test. Sicil.*
Anatina, sp., *Turton, Bivalves.*
Rhomboides, part., *Blainv. Malac.* 573.
Biapholus (minutus), *Leach, Ross's Arctic Voy.*

Biapholius (spinosus), "*Leach*," *in Lamk. Hist.* v. 453, 1818, ed. 2. vi. 57; *Blainv. Malac.* 574, 1825.
Biopholeus, *Herrmannsen, Index*, 111.

1. HIATELLA MINUTA.

Solen minutus, *Linn. S. N.* 1114; *Chemn. Conch. Cab.* vi. 67. t. 6. f. 51, 52; *M. & R. Linn. Trans.* viii. 47; *Turton, Conch. Dict.* 161; *Brit. Faun.* 148. no. 195; *Lamk. A. s. V.* ed. 2. vi. 57; *Mont. T. B.* 53. t. 1. f. 4; *Spengler, Skrivt. N. S.* iii. part 2. 113; *Wood, G. Conch.* 139. t. 34. f. 5, 6; *Cat.* t. 3. f. 33; *Dillw. R. S.* i. 69; *Brown, Ill. C.* t. 13. f. 1.
Hiatella minuta, *Turt. Biv.* 24. t. 2. f. 12; *Brown, Ill. Conch.* 103. t. 47. f. 1–16.
Mya arctica, *Linn. S. N.* 1113; *Müller, Prod.*; *O. Fab. F. G.* 407; *Turton, Conch. Dict.* 184.
Cardita arctica, *Brug. Enc. Méth.*
Hiatella arctica, *Daud. Rec. Mem. Moll. Paris*; *Thorpe, Brit. M. Conch.* 59; *Bowdich, Conch. Biv.* f. 40; *Crouch, Int. Conch.* t. 8. f. 6; *Cuv. R. A.* ed. *Croch.* t. 110. f: 1; *Lamk. Hist.* ed. 2. vi. 443; *Flem. B. A.* 461; *Hanley, Rec. Shells*, 150.
Anatina arctica, *Turton, Biv.* 49. t. 4. f. 7, 8; *Brit. Mar. Conch.* 42.
Chama aculeata, *Ström.*
Donax rhomboides, *Poli, Test. Sicil.* t. 15. f. 12, 15.
Saxicava rhomboides, *Desh. in Lamk. H. A. s. V.* ed. 2. vi. 153.
Biapholus spinosus, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Lamk. Hist.* ed. 2. vi. 57.
Mytilus præcisus, *Mont. T. B.* 165. t. 4. f. 2; *Linn. Tr.* viii. 112; *Dillw. Rec. Shells*, 305.
Pholeobia præcisus, *Brown, Ill. C.* t. 9. f. 16.
Saxicava arctica, *Philippi, Sic.* i. 20. t. 3. f. 3, & ii. 19; *Desh. Elem. Conch.* t. 12. f. 8, 9; *Lovèn, Moll. Suec.* 40; *Forbes & Hanley, Brit. Moll.* 141. t. 6. f. 4–6.
Agina purpurea, *Turt. Biv.* 54. t. 4. f. 9; *Brit. Mar. Conch.* 60.
Solen purpureus, *Fleming, Brit. An.* 459.
Saxicava purpurea, *Brown, Ill. Conch.* t. 42. f. 30, 31.
? Saxicava sulcata, *Smith, Mem. Wern.* viii.; *Forbes, M. G. S.* i. 410. 24.
Hiatelle, *Chenu, Traité élément.* 58. f. 206.
Saxicava rubra, *Desh. Exp. Algérie, Moll.* t. 66. f. 18, 19.
Saxicava rhomboides, *Desh. Lamk. Hist.* ed. 2. vi. 153.
Hypogæa gibba and Hypogæoderma rhomboidea, *Poli*, ii. 251, 257.

a—o. Firth of Forth.
p—t. Scotland.
u (Mytilus precisus). Britain. (Mus. Mont.?)

Order III. GONIOPODA.

Goniopoda, *Gray, Syn. B. M.* 1840; 1842, 79, 91; *Proc. Zool. Soc.* 1848, 193.
Phyllopoda, part., *Gray, Med. Repos.* 1821, 237.
Ostracés (Arcacés), *Féruss. Prod.* 42.
Mytilacés, *Cuvier, R. A.*; *Féruss. Prod.* 39.
Cardiacés, part., *Cuv. R. A.*; *Féruss. Prod.* 39.
Cardia, part., *Eichw. Zool. Spec.* i. 280.
Mytilacea, *Menke, Syn.* 104.
Cardiacea, *Menke, Syn.* 109.

Fam. 1. ASTARTIDÆ.

Astartidæ, *Gray, Proc. Zool. Soc.* 1848, 194.
Astartidæ, part., *D'Orb. Pal. Franç.* 1845; *Geinitz, Grund.* 427, 1846.
Carditacea, part., *Roemer, de Astarte*, 1842; *Leonh. Jahrb.* 1843, 58.
Crassinidæ, *Gray, Syn. B. M.* 1840; 1842, 80, 91.
Les Nymphacées, part., *Lamk. Hist.* v. 509, ed. 2. vi. 165.
Veneracea, part., *Alton, Verz. Conch.* 12.
Conchacés, § 2, part., *Rang, Man. Moll.* 302.
Crassatellæ or Crassatelles, part., *Féruss. Prod.* 42, 1821.
Mytilacés, part., *Goldfuss; Schweiger.*
Venerina, part., *Macgilliv. Moll. Aberd.* 210.
Veneridæ, *Leach, in Ross's Voy.*
Psammobiadæ, part., *Flem. B. A.* 439, 1828.
Crassatellaceæ, part., *Menke, Syn.* 65, 1828.
Crassatellacea, part., *Menke, Syn.* ed. 2. 108, 1830.
? Mactradæ, part., *Fleming, B. A.* 409.
Mactrina, part., *Macgilliv. Moll. Aberd.* 218.
Cycladea, part., *Möller, Isis*, 1832, 135.
Veneriadæ, part., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272, 1847.
Cyprinidæ, part., *Forbes & Hanley, Brit. Moll.*

1. ASTARTE.

Astarte (Danmoniensis), *J. Sow. Min. Conch.* t. 137, 1816; *Lajonkaire, Monog.* 1823; *Scacchi, Osserv. Zool.* 1833; *Flem. B. A.* 409, 439; *Rang, Man.* 314; *Philippi, Moll. Sicil.* i. 38, ii. 29; *Wiegm. Arch.* 1839, i. 125; *Abbild.* ii. *55, 60; D'Orb. Pal. Franç.* 1845; *Forbes & Hanley, Brit. Moll.* i. 450.
Crassina (Danmoniensis), *Lamk. Hist. Nat.* v. 554, 1818, ed. 2. vi. 255; *Féruss. Tabl. Syst.* 42, 1821; *Blainv. Mal.* 557; *Cuvier, R. A.* iii.; *Swainson, Mal.* 372.

Goodallia (triangularis), *Turton, Bivalves*, 77, 1822; *Flem. B. A.* 409, 429, 1828; *Recluz, Rev. Zool.* 1844, 246.
Mactrina (triangularis), *Brown, Ill. Conch. G. B.* 1827 (not *Milne-Edwards, &c.*).
Nicania (Banksii), *Leach, Journ. Phys.* 1819, lxxxviii. 465, *in Ross's Voy. Baffin's Bay*, ii. 176, 1819; *Isis*, 1820, 130; *Gray, Parry's Voy.*; *Blainv. Malac.* 558.
Venus, § 2, *Blainv. Malac.* 558, 1825.
Mactra, sp., *Montagu, T. B.*; *Leach, MSS.* 1818.
Venus, sp., *Montagu, T. B.*; *Leach, MSS.* 1818.
Tellina, sp. ( ), *Poli, Test. Sicil.*
Cypricardia, sp. (modiolaris), *Lamk. Hist.* 1819.
Peronea, sp., *Poli, Test. Sicil.*

1. ASTARTE SULCATA.

Pectunculus sulcatus, *Da Costa, Brit. Conch.* 192 (1778).
Pectunculus truncatus, *Da Costa, B. C.* 195?
Venus borealis, part., *Chemn.* vii. 26. t. 39. f. 413.
Venus Danmonia, *Mont. T. B. Supp.* 45. t. 29. f. 4 (1808); *Dillw. Rec. Shells*, i. 167; *Ind. Test.* t. 7. f. 21; *Leach, Ann. & Mag. N. H.* xx. 272.
Crassina danmoniensis, *Lamk. Hist.* ed. 2. vi. 257; *Crouch, Intr. Conch.* t. 6. f. 7; *Thorpe, M. C.* 80; *Brown, Ill. Conch. G. B.* 95. t. 38. f. 1; *Delessert, Rec. Coq.* t. 7. f. 1.
Astarte Danmoniensis, *Sow. Gen. Shells, Astarte*, f. 1–3; *Lovèn, I. M.* 36, 272; *Flem. Brit. An.* 440; *Macgilliv. Moll. Aberd.* 258; *Forbes, M. G. S.* i. 412. 39; *Reeve, Conch. Syst.* t. 66. f. 1–3; *Sow. Conch. Man.* f. 110.
Venus sulcata, *Turt. Conch. Dict.* 235.
Crassina sulcata, *Turt. Biv.* 131. t. 11. f. 1, 2; *Hanley, Recent Shells*, i. 87.
Astarte sulcata, *Flem. B. A.* 439; *Macgilliv. Moll. Aberd.* 250; *Thorpe, Brit. Mar. Conch.* 247; *Philippi, Abbild. und Bes.* ii. 56, *Astarte*, t. 1. f. 4; *Forbes & Hanley, Brit. Moll.* i. 452. t. 30. f. 6; t. M. f. 5, animal.
Astarte vulgaris, *Jeffreys, Conch. Mag.* 44.
Crassine crassatellée, *Chenu, Traité Elem.* f. 232, 233.
a—*p*. British.
q. Dublin Bay. Presented by T. Warren, Esq.
r. Falmouth. Presented by W. P. Cocks, Esq.
s—*x*. Northumberland.

VAR. 1. Margin quite entire.
Venus Scotica, *M. & R. Linn. Trans.* (1807) viii. 81. t. 2. f. 3; *Mont. T. B. Supp.* 44; *Turt. Conch. Dict.* 236; *Brit. Faun.* 159. no. 278; *Lamk. Hist.* 2nd ed. vi. 360; *Dillw. Rec. Shells*, i. 167; *Ind. Test.* t. 7. f. 20; *Leach, Ann. & Mag. N. H.* xx. 272.

Astarte Scotica, *Flem. Brit. An.* 440; *Lovèn, I. M. Skand.* 36. no. 273; *Macgilliv. Moll. Aberd.* 258; *Philippi, Abbild. und Bes.* ii. 56, *Astarte*, t. 1. f. 3.

Crassina Scotica, *Leach, Ross's Voy.* 175; *Turt. Biv.* 130. t. 11. f. 3, 4; *Thorpe, Brit. M. Conch.* 79; *Brown, Ill. C.* t. 18. f. 9, 2nd ed. 95. t. 38. f. 9; *Hanley, Rec. Shells*, i. 87.

Astarte pallida, *Jeffreys, Conch. Mag.* 44.

Ast. Danmoniensis, junior var., *Forbes, M. G. S.* i. 412. 39.
a—*l*. British.
m—*p*. Scotland (under name of *A. semisulcata*).
q—*v*. Scotland.

2. ASTARTE CREBRICOSTATA.

Astarte crebricostata, *M'Andrew & Forbes, Ann. N. H.* 1847, xix. 98. t. 9. f. 4; *Jeffreys, Ann. & Mag. N. H.* xix. 314; *Forbes & Hanley, Brit. Moll.* i. 456. t. 30. f. 9.

Inhab. Isle of Skye. *Messrs. M'Andrew & Jeffreys.*

3. ASTARTE ELLIPTICA.

Crassina elliptica, *Brown, Ill. Conch.* 96. t. 38. f. 3; *Thorpe, Brit. Mar. Conch.* 246. f. 107 (not well); *Hanley, Rec. Shells, Supp.* t. 14. f. 36; *Forbes, M. G. S.* i. 412. 38.

Astarte elliptica, *Macgilliv. Moll. Aberd.* 259; *Forbes & Hanley, Brit. Moll.* i. 459. t. 30. f. 8.

Crassina ovata, *Brown* (not *Smith*), *Edinb. Journ. N. & G. Sc.* i. 12. t. 1. f. 8, 9; *Ill. Conch. G. B.* 96. t. 35. f. 12, 13.

Crass. depressa, *Brown, Ill. Conch.* t. 18. f. 2; *Macgilliv. Moll. Aberd.* 260.

? C. semisulcata, *Jeffreys, MSS. Conch. Mag.* 44 (not *Leach, Ross's Voy.*); *Lovèn, Ind. Moll. Skand.* 37 (from type); *Möller, Ind. Moll. Græn.* (from type); *Philippi, Abbild. und Bes.* ii. 57, *Astarte*, t. 1. f. 10.

C. Gairensis, *Nichol, MSS.*

C. sulcata, *Nilsson* (not *Maton, Turton*, nor *Lamk.*), *Nov. Act. Holm.* 1822, 187. t. 2. f. 1, 2.

Astarte semisulcata, *Lovèn*, 37. 274.
a (Crassina Gairensis, *Nichol*). Loch Gair. Presented by W. Nichol, Esq.

4. ASTARTE SEMISULCATA.

Crassina semisulcata, *Leach, in Ross's Voy. App.* 175, not *Lorèn.*

C. arctica, *Gray, Append. Parry's Voy.* (from types); *Hanley, Rec. Shells*, i. 88.

Astarte borealis, *Philippi, Abbild. und Bes.* ii. 58, *Astarte*, t. 1. f. 11; *M'Andrew & Forbes, Ann. N. H.* 1847, xix. 98; *Forbes, M. G. S.* i. 412. 37.

Venus borealis, *Chemn.* (not *Linn.*) *Conch. Cab.* vii. t. 39. f. 412 (fide *Lovèn*).
Venus compressa, *Mont. Test. Brit. Supp.* (not descr.) t. 26, lower f. 1, 1.
Crassina borealis, *Nilsson, Nov. Act. Holm.* 1822, 188. t. 2. f. 3, 4; *Philippi, Abbild.*
Astarte cyprinoides, *Duval, Rev. Zool.* 1841, 278; *Hanley, Rec. Shells, Supp.* t. 14. f. 40.
A. plana, *Sow. M. C.* t. 179. f. 2.
Astarte compressa, *Macgilliv. Moll. Aberd.* 261; *Thorpe, Brit. Mar. Conch.* 247.
Crassina Withami, *Brown & Smith, Wern. Mem.* viii. t. 1. f. 24, 25.
Crassina compressa, *Brown, Ill. Conch. G. B.* 96. t. 38. f. 4, 5.
Crassina corrugata, *Brown, l. c.* 96. t. 40. f. 24.
Astarte corrugata, *Lovèn, Ind. Moll. Skand.* 37 (from type).
Astarte arctica, *Forbes & Hanley, Brit. Moll.* i. 461. t. 30. f. 7.
a (single dead valve). Scotland. Dr. Fleming.

5. ASTARTE COMPRESSA.

Venus compressa, *Mont. T. B. Supp.* 43. t. 26. f. 1.
Cyprina compressa, *Turt. Biv.* 137. t. 11. f. 22, 23.
Astarte compressa, *Flem. B. A.* 440 (not *Macgilliv.*); *Forbes, M. G. S.* i. 413. 41; *Forbes & Hanley, Brit. Moll.* i. 464. t. 30. f. 1–3.
Crassina compressa, *Thorpe, Brit. Mar. Conch.* 80.
Venus Montagui, *Dillw. R. S.* i. 167; *Turt. Conch. Dict.* 243; *Ind. Testac.* t. 7. f. 19.
Crassina Montagui, *Gray, Ann. Phil.* 1825, 136; *Hanley, Rec. Shells,* i. 88.
Venus montacuta, *Turt. C. Dict.* 243.
Astarte multicostata, *Macgilliv. Aberd.* 260 (not *Smith, Wern. M.*); *Philippi, Abbild. und Besch.* ii. 59, *Astarte,* t. 1. f. 8.
Crassina obliqua, *Brown, Ill. C.* t. 18. f. 6.
Crassina convexiuscula, *Brown, Ill. C.* t. 18. f. 7.
Astarte striata, *Brown, Ill. C.* t. 18. f. 8, ed. 2. 96. t. 38. f. 6–8; *Lovèn, Ind. Moll. Skand.* 37.
A. angulata, *Woodward, Geol. Norf.*
Astarte Banksii, *Lovèn* (not *Leach* nor *Hanley*), *Ind. Moll. Skand.* 38 (from specimens).
a—*e*. Oban and Inverary.
f—*h*. Scotland.
i (Crassina obliqua, *Brown*). Firth of Forth.
j (Crassina convexiuscula, *Brown*). Firth of Forth.
k—*q*. Coast of Northumberland.

r, *s*. Cullercoats, Northumberland. Presented by J. Fryer, Esq.
t. Firth of Forth (Astarte striata, *Brown*).
u—*z*, var. Oban.
a a, *b b*. Berwick on Tweed. Presented by Dr. George Johnston.
c c—*n n*. Firth of Forth.
o o—*r r*, var.? Hebrides. Presented by R. M'Andrew, Esq.
s s—*w w* (Crassina triangularis). Britain.

6. ASTARTE STRIATA.

Nicania striata, *Leach, Ross's Voy. App.* 170 (1819).
Crassina striata, *Gray, Zool. Beechey's Voy.* t. 44. f. 9 (fide spec.).
(? Astarte) striata, *Möller* (not *Sowerby*, 1822); *Lovèn, I. M.* 37. 276.
Astarte multicostata, *Smith, Wern. Mem.*; *Macgilliv. Moll. Aberd.* 260; *Philippi, Abbild.* ii. 59. t. 1. f. 8.
Cyprina compressa, *Turton, Biv.* 137 (not *Montagu*).
Astarte pulchella, *Jon.*
Inhab. ——?

7. ASTARTE TRIANGULARIS.

Mactra triangularis, *Mont. T. B.* 99. t. 3. f. 5; *Ind. Test.* t. 6, *Mactra*, f. 28; *Leach, Ann. & Mag. N. H.* xx. 273; *Mat. & Rack. Linn. Trans.* viii. 72; *Turt. Conch. Dict.* 82; *Brit. Faun.* 155. no. 245; *Dillw. Rec. Shells*, i. 143.
Goodallia triangularis, *Turt. Biv.* 77. t. 6. f. 14; *Flem. B. A.* 429; *Macgilliv. Moll. Aberd.* 290; *Thorpe, Brit. Mar. Conch.* 49.
Crassina triangularis, *Gray, Ann. Phil.* 1825.
Mactrina triangularis, *Brown, Ill. C.* t. 16. f. 25, ed. 2. 108. t. 40. f. 25.
Astarte triangularis, *Jeffreys, Ann. N. H.* viii. 166; *Forbes & Hanley, Brit. Moll.* i. 467. t. 30. f. 4, 5.
Mactra minutissima, *Mont. T. B. Supp.* 37; *Turt. Conch. Dict.* 83; *Dillw. Rec. Shells*, i. 143.
Goodallia minutissima, *Turt. Biv.* 77. t. 6. f. 15; *Flem. B. A.* 429; *Macgilliv. Moll. Aberd.* 290; *Thorpe, Brit. Mar. Conch.* 50.
Crassina minutissima, *Gray, Ann. Phil.* 1825.
Mactrina minutissima, *Brown, Ill. C.* ed. 2. 108. t. 42. f. 25, 26.
a—*d* (Mactra triangularis). Britain. Mus. Mont.?
e—*m*. Scotland.
n—*t*. Britain.
u—*z*. Hebrides. Presented by R. M'Andrew, Esq.

Fam. 2. Glossidæ.

Glossidæ, *Gray, Proc. Zool. Soc.* 1848, 195.
Glossus or Glossoderma, *Poli, Test. Sicil.*
Isocardiadæ, *Gray, Syn. B. M.* 1840; 1842, 80, 91.
Les Cardiacées, part., *Lamk. Cours*, 106, 1812; *Hist.* vi. 30, ed. 2 vi. 385.
Bucardes ou Cardiacés, part., *Féruss. Prod.* 43.
Cardiacea, part., *Menke, Syn.* 109; *Alton, Verz. Conch.* 12.
Camacés, § 2, *Rang, Man. Moll.* 300.
Veneridia Isoperia, *Rafin.* 1815.
Veneriadæ, part., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* 1847, xx. 272.

1. Glossus.

Glossus or Glossoderma (Cor), *Poli, Test. Sicil.* ii. 114, 253, 1795; *Oken, Zool.* 1815; *Blainv. D. S. N.* xix. 74; *Gray, P. Z. S.* 1848, 195.
Isocardia (Cor), *Lamk. Prod.* 1799 (not *Klein*, 1753), *Syst.* 118, 1801; *Phil. Zool.* 1809; *Hist.* vi. 30. 1819, ed. 2. vi. 443; *Cuvier, Anat. Comp.* 1800; *Règn. Anim.*; *Roissy, Moll.* vi. 381; *Desh. E. M.* iii. 321; *Flem. B. A.* 408, 419; *Swains. Malac.* 374; *Leach, Ann. & Mag. N. H.* xx. 272; *Forbes & Hanley, Brit. Moll.* i. 472.
Isocardium, *Risso, Eur. Merid.* iv. 331; *Blainv. Malac.* 545.
Bucardium (Cor), *Muhlf. Entw.* 52. 1811, not *D'Argenv.* 1757.
Bucardia, *Lister, Coch. Ang.* 1678.
Concha cordiformis, *Gualter.*
Cardita, sp. (Cor), *Brug. E. M.* i. 403.
Trapezium, sp., *Humph. Mus. Calonn.*

1. Glossus Cor.

Cardium humanum, *Linn. S. N.* ed. 10. 682.
Chama Cor, *Linn. S. N.* ed. 12, 1137; *Mus. Ulric.* 516; *Chemn. Conch. Cab.* vii. t. 48. f. 483; *Mont. T. B.* 134, 578, *Supp.* 50; *Dillw. Rec. Shells*, i. 212; *Don. B. Shells*, iv. t. 134; *Laskey, Mem. Wern. Soc.* i. t. 8. f. 7; *Turt. Conch. Dict.* 32. t. 17; *Brit. Faun.* 160. no. 281; *Brown, Mem. Wern. Soc.* ii. 511 & 535; *Ind. Test.* t. 9, *Chama*, f. 1; *Born, Mus. Cæs.* 80; *Poli, Test. Sic.* ii. 213. t. 23. f. 1–3.
Isocardia Cor, *E. M.* t. 232. f. 1; *Lamk. Hist. A. s. V.* v. 2nd ed. vi. 445; *Turton, Biv.* 193. t. 14; *Desh. Enc. Méth. Vers*, ii. 321, & *Elem. Conch.* t. 23. f. 10, 11; *Reeve, Conch. Syst.* t. 78. f. 1, 2; *Hanley, Rec. Shells*, i. 150. t. 9, *Chama*, f. 1; *Thorpe, Brit. Mar. Conch.* 100; *Blainv. Man. Malac.* t. 69. f. 2; *Crouch. Introd. Conch.* t. 8. f. 7; *Flem. Brit. An.* 419; *Bulwer, Zool. Journ.*

ii. 258; *Supp.* t. 15 (animal); *Sow. Gen. Shells, Isocard.* f. 1, 2; *Philippi, Moll. Sic.* i. 56 & ii. 41; *Brown, Ill. C. G. B.* t. 23, 24, 2nd ed. 86. t. 30. f. 9, t. 30*. f. 5; *Leach, Ann. & Mag. N. H.* xx. 1847, 272; *Lovèn, I. M.* 36; *Forbes & Hanley, Brit. Moll.* i. 472. t. 34. f. 2; t. N. f. 6 (animal).

Cardita Cor, *Bruguière, Enc. Méth. Vers*, i. 403.

Glossus rubicundus=Glossoderma Cor, *Poli*, ii. 253, 258.

Isocardia Hibernica, *Bulwer, Zool. Journ.*; *Reeve, Conch. Icon. Isocard.* t. 1. f. 4.

Lister, Hist. Conch. t. 275; *Gualtieri, Ind. Test.* t. 71. f. E; *Ginanni, Op. post.* ii. t. 19. f. 129; *Knorr, Delic. des Yeux*, pt. vi. t. 8. f. 1.

a. Bantry Bay. Presented by S. Drummond, Esq.
b, c. Falmouth. Presented by W. P. Cocks, Esq.
d. Cork. Presented by Miss Elliot.
e. Dublin Bay. Presented by J. Warren, Esq.
f. North Foreland. Mus. Mont.

Fam. 3. Lucinidæ.

Lucinidæ, *Gray, Syn. B. M.* 1840; 1842, 80, 91; *Proc. Zool. Soc.* 1848, 195; *Rev. Zool.* 1844, 449; *D'Orb. Moll. Canar.* 1837; *Pal. Franç.* 1845; *Forbes & Hanley, Brit. Moll.* ii. 41.

Lucinadæ, *Fleming, B. A.* 409, 441, 1828.

Loripes or Loripoderma, *Poli, Test. Sicil.*

Les Mactracées, part., and Les Conques, part., *Lamk. Cours*, 107, 1812.

Les Nymphacées, part., *Lamk. Hist.* v. 509, ed. 2. vi. 165; *Féruss. Prod.* 43.

Conchacés, § 2, part., *Rang, Man. Moll.* 302.

Nymphacea, part., *Menke, Syn.* 111.

Lucinacea, part., *Alton, Verz. Conch.* 12, 1839.

Tellinina, part., *Macgilliv. Moll. Aberd.* 215.

Lucineæ (Les Lucines), *Desh. Ency. Méth.* iii. 1830; *Herrmannsen, Ind.* 630.

Veneriadæ, part., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272.

1. Lucina.

Lucina (Jamaicensis), *Brug. E. Méth.* t. 284, 1792 (not *Meigen*); *Lamk. Prod.* 1799; *Syst. A. s. V.* 124, 1801; *Ann. Mus.* vii. 236; *Phil. Zool.* 1809; *Hist. A. s. V.* v. 538, ed. 2. vi. 219; *Cuvier, R. A.* 1817; *Sow. Gen.*; *Flem. B. A.* 441, 1828; *Blainv. Malac.* 550, 1825; *Rang, Man.* 308; *Desh. E. M.* iii. 371; *D'Orb. Moll. Canar.*; *Swainson, Malac.* 371; *Valenc. Comptes Rendus*, xx. 23, 1845; *Ann. & Mag. N. H.* xvi. 41; *Forbes & Hanley, Brit. Moll.* ii. 43.

Phacoides (Jamaicensis), *Blainv. Malac.* 1825.
Lucina (Pensylvanica), *Schum. Essai*, 164, 1817.
Tridonta (borealis), *Schumach. Essai*, 146, 1817; *Schmidt. Mus. Goth.*; *Möller, Isis*, 1822, 135.
Triodonta (borealis), *Agassiz, Nomenclat.*
Thyatira (lactea), *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx, 1847, 372.
Thiatira (spuria), *Leach, MSS.* 1819.
Thiatyra (spuria), *G. Sow. Man. Moll.*
Strigilla (divaricata), *Turton, Bivalves*, 117.
Strigella divaricata, *Gray, Syn. B. M.* 1842, 91; *Proc. Z. S.* 1847, 195 (misprint).
Cyrachæa (spinifera), *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272.
Cyrachnæa (spinifera), *Leach, MSS.* 1819; *Gray, Ann. & Mag. N. H.* 1848; *Proc. Z. Soc.* 1847, 195 (misprint).
Myrtea (spinifera), *Turton, Bivalves*, 133, 1822; *Flem. B. A.* 443; *Philippi, Moll. Sicil.* ii. 25; *G. Sow. Man.* ed. 2. 197.
Ortygia, sp. (spinifera), *Brown, Ill. Conch. G. B.*

* TRIODONTA.

1. LUCINA BOREALIS.

Venus borealis, *Linn. S. N.* ed. 12. 1134. no. 143 (not *Syn.*); *Donov. B. S.* iv. t. 130.
Tellina radula, *Mont. T. B.* 68. t. 2. f. 1, 2—567; *Wood, Gen. Conch.* 183. t. 42. f. 4, 5; *Linn. Trans.* viii. 84; *Turt. Conch. Dict.* 175; *Brit. Faun.* 151. no. 211; *Ind. Test.* t. 4. f. 71.
Lucina radula, *Lamk. Hist.* ed. 2. vi. 225; *Flem. Brit. An.* 441; *Turton, Biv.* 116; *Hanley, Rec. Shells*, 75; *Thorpe, Brit. Mar. Conch.* 73; *Brown, Ill. Con. G. B.* 98. t. 39. f. 8, 9; *Philippi, Moll. Sic.* i. 35. t. 3. f. 17, ii. 25; *Gould, Invert. Mass.* 69; *Macgill. Moll. Aberd.* 255; *Forbes, M. G. S.* i. 412: 34.
Lucina alba (young), *Turt. Brit. Biv.* 114. t. 7. f. 6, 7; *Thorpe, Brit. Mar. Conch.* 72.
Venus spuria, *Gmel. S. N.*; *Chemn.* vii. f. 399; *Dillw. R. S.* 194.
Lucina antiquata, *Sow. M. C.* t. 557. f. 2.
Lucina borealis, *Forbes & Hanley, Brit. Moll.* ii. 46. t. 35. f. 5; t. M. f. 6, animal.
Thyatira (Loripes) radula, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272.

a—*h*. } Britain.
i—*t*. }
u. Bantry Bay. Presented by Miss Warne.
v. Ireland.
w. Teignmouth. Presented by J. B. Harvey, Esq.
x—*z*? Northumberland.

** STRIGILLA.

2. LUCINA DIVARICATA.

Tellina divaricata, *Linn.* ed. 12. 1120; *Chemn.* f. 129; *Wood, G. Conch.* 195. t. 46. f. 6 (not *Turt. Conch. Dict.* 178); *Spengler, Skrivt. Nat. Selsk.* iv. pt. 2. 117 (not vars.).
Lucina divaricata, *Thorpe, Brit. Mar. Conch.* 76; *Forbes & Hanley, Brit. Moll.* ii. 52. t. 35. f. 3.
L. arcuata, *Flem. Brit. An.* 442.
Cardium arcuatum, *Mont.* (not *Reeve*) *T. B.* 85. t. 3. f. 2; *Linn. Trans.* viii. 67; *Wood, Gen. Conch.* 213.
Lucina commutata, *Philippi*, i. 32. t. 3. f. 15, ii. 25.
Loripes? divaricatus, *Scacchi, Cat.* i. 5.
Inhab. Falmouth Harbour; sand.

*** MYRTEA.

3. LUCINA SPINIFERA.

Venus spinifera, *Mont. T. B.* 577. t. 17. f. 1; *Linn. Trans.* viii. 78; *Turt. Conch. Dict.* 231; *Brit. Faun.* 160. no. 279; *Dillw. Rec. Shells*, i. 163; *Ind. Test.* t. 7. f. 11.
Lucina spinifera, *Jeffreys, Conch. Mag.* 43; *Ann. Nat. Hist.* xix. 313; *Thorpe, M. C.* 74. f. 23; *Macgilliv. Moll. Aberd.* 255; *Hanley, Rec. Shells*, i. 78; *Philippi, Moll. Sic.* ii. 25; *Lovèn, I. M.* 38. 280; *Forbes & Hanley, Brit. Moll.* ii. 49. t. 35. f. 1.
Myrtea spinifera, *Turt. Biv.* 133.
Ortygia spinifera, *Brown, Ill. C.* t. 20. f. 15, 16.
Lucina hiatelloides, *Philippi, Sic.* i. 32; *Basterot.*
Venus myrtea, *Turt. Brit. Biv.* 133; *Flem. Brit. An.* 433; *Brown, Ill. Conch. G. B.* 98. t. 36. f. 15, 16, & t. 39. f. 14.
Cyrachæa spinifera, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* 1847, xx. 272; *Gray, P. Z. Soc.* 1847.
a, b. Bantry.
c. Dublin Bay. Presented by T. Warren, Esq.

**** CLAUSINA.

4. LUCINA FERRUGINOSA.

Kellia ferruginosa, *Forbes, Brit. Assoc. Rep.* 1843, 192?
Clausina ferruginosa, *Jeffreys* (not *Brown*), *Ann. N. H.* xx. 18, 1847.
Clausina abyssicola, *Jeffreys* (not *Forbes*), *Ann. Nat. Hist.* xx. 18.
Clausina Croulinensis, *Jeffreys, Ann. N. H.* xx. 19.
Cryptodon ferruginea, *Alder, MSS.*
Artemis? ferruginosa, *Jeffreys, Ann. & Mag. N. H.* xix. 1847, 313.
Lucina ferruginosa, *Forbes & Hanley, Brit. Moll.* ii. 60. t. 34. f. 1 (magnified).
a—s. Inverary.

ROYAL BOMBAY

2. Diplodonta.

Mysia, part. (rotundata), *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Brown, Ill. Conch. G. B.* 1827; *Conrad, Tert. Foss.* 30, 1838; *Gray, Syn. B. M.* 1840; *P. Z. S.* 1847, 195; *Menke, Syn.* ed. 2. 112, 1830; *Desh. E. M.* iii. 593.

Psammobia, sp., *Fleming, B. A.* 438.

Diplodonta, sp. (rotundata), *Philippi, Sicil.* i. 31, 1836, ii. 24, 1844; *Forbes & Hanley, Brit. Moll.* ii. 66,

? Egeria, sp., *Lea, Contrib. Geol.* 49, 1833.

Loripes, sp., *Cuvier, R. A.*

Diplodonta (Lupinus), *Bronn, Ital. Tertiargeb.* 9, 1831; *Leth.* 962, 1838; *Nyst, Coq. Foss. Belg.* 138, 1846.

? Sphærella (subreflexa), *Conrad, Tert. Foss.* 1838.

1. Diplodonta rotundata.

Tellina rotundata, *Mont. T. B.* 71. t. 2. f. 3; *Linn. Trans.* viii. 56; *Dorset Cat.* 30. t. 5. f. 8; *Turt. Conch. Dict.* 176; *Brit. Faun.* 151. no. 214; *Wood, Gen. Conch.* 187; *Dillw. Rec. Shells*, i. 99; *Ind. Test.* t. 4. f. 77.

Psammobia rotundata, *Flem. B. A.* 438.

Lucina lactea?, *Desh. E. M. Vers*, ii. 374.

Lucina rotundata, *Turt. Biv.* 104. t. 7. f. 3; *Thorpe, Brit. Mar. Conch.* 73; *Desh. Exp. Morée*; *Brown, Ill. Conch. G. B.* 98. t. 40. f. 11; *Hanley, Rec. Shells*, i. 76.

Tellina undata, *Pulteney, Dorset*, 30.

Mysia undata, *Leach, MSS.* 1818.

M. rotundata, *Brown, Ill. C.* t. 16. f. 11.

M. Montagui, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272.

Diplodonta rotundata, *Philippi, Sic.* ii. 24; *Forbes & Hanley, Brit. Moll.* ii. 66. t. 35. f. 6; t. M. f. 7, animal.

D. dilatata, *Philippi*, i. 31. t. 4. f. 7.

Loripes rotundata, *Cuv. Reg. An.* ed. *Croch.* t. 103. f. 4.

Venus fragilis (fossil), *Nyst & West, Bull. Brux.* vi. 401. t. 3. f. 11.

a—e. Tenby.
f—j. Dublin Bay. Presented by T. Warren, Esq.
k, l. Bantry Bay.
m. Ditto. Presented by Miss Warne.
n—t. Tenby.

3. Thyatira.

Thyatira, part. (flexuosa), *Leach, MSS.* 1818, *Ann. & Mag. N. H* xx. 1847, 272; *Jeffreys, Conch. Mag.*

Thyasira (flexuosa), "*Leach*," fide *Lamk. Hist.* vi. 492, 1818, ed. 2. vi. 228; *Gray, P. Z. S.* 1847, 195.

Thyaseira (flexuosa), "*Leach*," fide *Blainv. Dict. Sci. Nat.* liv. 333.
Thiatyra (flexuosa), *Sow. Conch. Man.* ed. 2. 274. 1842.
Bequania (flexuosa), *Leach*, fide *Brown, Ill. Conch. G. B.*
Cryptodon (flexuosa), *Turton, Bivalves*, 121, 1822 (not *Conrad*, 1837); *Flem. B. A.* 442, 1828; *Möller, Ind. Moll. Græn.* 20, 1842; *Macgilliv. Moll. Aberd.* 215.
Ptychina (flexuosus), *Philippi, Moll. Sicil.* i. 15, 1836.
Ptychine (flexuosus), *Agassiz, Nomenclat. Zool.* 1846 (misprint).
Axinus (sp.), *J. Sow. Min. Conch.* t. 314, 1823.
Axinus (flexuosus), *King, Ann. & Mag. N. H.* xiv. 1844, xviii. 242; *Lovèn, Ind. Moll.* 38; *G. Sow. Man. Moll.* ed. 2. 78.
Tellina, sp., *Mont. T. B.*
Amphidesma, sp., *Lamk. Hist.*
Lucina, sp., *Fleming, B. A.*; *Lamk. Hist.*

1. THYATIRA FLEXUOSA.

Tellina flexuosa, *Mont. T. B.* 72; *Dillw. R. S.* i. 100; *Wood, G. Conch.* 188. t. 47. f. 7, 8; *Linn. Trans.* viii. 56; *Turt. Conch. Dict.* 177; *Ind. Test.* t. 4. f. 78.
Venus sinuosa, *Donov.* (not *Penn.*), *Brit. Shells*, ii. t. 42. f. 2.
Lucina sinuata, *Lamk. H. N.* 16. ed. 2. vi. 230; *Hanley, Rec. Shells*, i. 77.
L. sinuosa, *Thorpe, Brit. Mar. Conch.* 74.
Lucina flexuosa, *Flem. B. A.* 442; *Gould, Inv. Mass.* 71. f. 52; *Forbes, M. G. S.* i. 411. 32; *Forbes & Hanley, Brit. Moll.* ii. 54. t. 35. f. 4.
Cryptodon flexuosa, *Turt. Biv.* 121. t. 7. f. 9, 10; *Macgill. Moll. Aberd.* 278; *Brown, Ill. Conch. G. B.* 99. t. 39. f. 4, 5.
Amphidesma flexuosa, *Lamk. Hist.* 2nd ed. vi. 128.
Thyasira flexuosa, "*Leach*," *Lamk. Hist.*
Thyatira flexuosa, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Jeffreys, Conch. Mag.* 42.
Ptychina biplicata, *Philippi, Sic.* i. 15. t. 2. f. 4, ii. 11.
Axinus flexuosus, *Lovèn, I. M.* 38. 281; *King, Ann. N. H.* xviii. 242.
" Bequania flexuosa, *Leach*," *Brown, Ill. Conch.*
a—*i*. Britain.
j—*m*. Ditto.
n—*v*. Dublin Bay. Presented by T. Warren, Esq.

4. LORIPES.

Loripes or Loripoderma (lactea), *Poli, Test. Sicil.* i. 31, 1791. ii. 253, 1795; *Cuvier, R. A.* iii.; *Féruss. Tabl. Syst.* 43, 1821; *Blainv. Man.* 551; *Flem. B. A.* 409, 430; *Swains. Malac.* 371; *Gray, Proc. Z. S.* 1847, 195.

Ligula (lactea), *Menke, Syn.* ed. 2. 121, 1830, not *Montagu*, 1808, nor *Leach*, 1818.
Tellina A. (lactea), *Megerle, Entw.* 1811.
Thyatira, sp., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* 1847, xx. 272.
Taras (antiquatus), *Risso, Eur. Merid.* iv.
Ungulina (oblonga), *Daudin, in Bosc. Hist. Conch.* iii. 76, 1802; *Roissy, Moll.* vi. 374; *Lamk. Phil. Zool.* 1809; *Hist. A. s. V.* v. 488, 1818, ed. 2. vi. 120; *Sow. Gen.*; *Blainv. Man.* 562; *Desh. Ency. Méth.* iii. 1830, t. 664, 1832; *Ann. Sci. Nat.* 1842; *Ann. & Mag. N. H.* 1843; *Swainson, Malac.* 371, 1840; *Duvernoy, L'Instit.* 1841, 381, *in Wiegm. Arch.* 1842, ii. 404; *Gray, Syn. B. M.* 1842, 80, 91; *Proc. Zool. Soc.* 1847, 195.

1. LORIPES LEUCOMA.

Tellina lactea, *Mont. T. B.* 70. t. 2. f. 4 (not *Linn. S. N.* 1119); *Linn. Trans.* viii. 56; *Chemn. Conch. Cab.* f. 125; *Dillw. Rec. Shells*, i. 99; *Ind. Test.* t. 4. f. 76; *Pulteney Hutchins' Dorset*, 30; *Dorset Cat.* 30. t. 5. f. 9; *Poli*, t. 15. f. 28, 29; *Turt. Conch. Dict.* 176; *Brit. Faun.* 151. no. 213; *Wood, Gen. Conch.* 187.
Lucina lactea, *Lamk.* (not *Philippi*) *Hist.* 2nd ed. vi. 229; *Hanley, Rec. Shells*, i. 76; *Turton, Biv.* 112. t. 7. f. 4, 5; *Thorpe, Brit. Mar. Conch.* 71; *Thomps. Ann. N. H.* xviii. 385; *Brown, Ill. Conch. G. B.* 98. t. 39. f. 3.
Loripes lactea, *Flem. B. A.* 430; *Menke, Cat.*; *Macgillir. Moll. Aberd.* 256?; *Brown, Ill. Con. G. B.* 98. t. 39. f. 29; *Blainv. Man. Malac.* t. 72. f. 1.
Amphidesma lucinalis, *Lamk.* 491, ed. 2. vi. 127 (fide *Philippi*).
Lucina Desmarestii, *Payr.* 44. t. 1. f. 19, 20.
Lucina Amphidesmoides, *Desh. E. M. Vers*, ii. 375.
Loripes orbiculatus=Loripoderma lactea, *Poli*, ii. 253, 258.
Ligula lactea, *Menke, Cat.*
Lucina leucoma, *Turton, Brit. Biv.* 113. t. 7. f. 8; *Thorpe, Brit. Mar. Conch.* 72; *Forbes & Hanley, Brit. Moll.* ii. 57. t. 35. f. 2 (as L. lactea).
Thyatira (loripes) lactea, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 1847, 272.
a—j. Tenby?

Fam. 4. UNIONIDÆ.

Unionidæ, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* 1847, xx. 272; *Flem. B. A.* 408, 1828; *Gray, in Turton's Man.* ed. 2. 288, 1840; *Syn. B. M.* 1840; 1842, 80, 91; *Proc. Zool. Soc.* 1847, 196; *Swains. Malac.* 259, 377.
Limnæa (Limnæoderma), *Poli, Test. Sicil.*

(A. lamellipedes, *Lamk.*)=Les Nayades (and Les Trigonées, part.), *Lamk. Cour.* 106, 1812; *Hist.* v. 67, ed. 2. vi. 524.
Nayades, *Féruss. Prod.* 42.
Byssiferia Limaridia, *Rafin.*
Pediferia, *Rafin. Mon. Biv. Ohio*, ed. *Chenu*; *Goldfuss.*
Pedifera, *Herrmanns. Ind.* ii. 225.
Naiadea, *Menke, Syn.* 105; *Anton, Verz. Conch.* 12, 1839.
Submytilacés, part., *Blainv. Man.*; *Rang, Man. Moll.* 293.
Mytilacés, part., *Goldfuss.*
Unionina, *Macgilliv. Moll. Aberd.* 207; *Agassiz, Nomencl.*
Uniodia, *Rafin. Mon. Biv. Ohio*, 1820, ed. *Chenu*; *Féruss. Tab. Syst.* 42, 1821.
Unioninæ, Anodontinæ and Alasmodontinæ, *Swains. Malac.* 377.
Unionidæ, part., *D'Orb. Pal. Franç. Tert. Cret.* iii. 124, 1844.
Limnoconchæ (Les Lymnoconques), part., *Blainv. Dict. Sci. Nat.* xxxii. 323, 1824; *Malac.* 538, 1825.
Anodontidia and Alasmidia, *Rafin. Mon. Biv. Ohio*, 1820, ed. *Chenu.*

1. ANODONTA.

Anodonta (anatinus), *Cuvier, Tab. Elem.* 1798; *Reg. Anim.* 1817; *Lamk. Prod.* 1799; *Syst.* 114, 1801; *Hist.* v. 1818, ed. 2. vi. 525, 562; *Drap. Hist.* 27. 20. 133, 1805; *Leach, MSS.* 1818, *Ann. & Mag. N. H.* 1847, xx. 272.
Anodontites (anatinus), *Brug. Journ. H. Nat.* i. 1792; *Ency. Méthod.* t. 201–205; *Duvernoy, Dict. Sci. Nat.* ii. 183, 1804.
Anodon (anatinus), *Oken, Lehrb. d. Zool.* i. 238, 1815 (not *Klein*); *Sow. Gen.* t. ; *Spix, Test. Bras.* 17; *Fleming, B. A.* 408, 415, 1828; *Turton, Bivalves*, 240; *Gray, Turton's Man.* ed. 2. 289; *Swains. Malac.* 381.
Limella (anatinus), *Rafin. Anal. Nat.* 1815.
Limnæa and Lymnæoderma, part., *Poli, Test. Sicil.*
Mytilus, § *a.* (anatinus), *Schum. Essai*, 1817.
Glochidium (anatinus, very young), *Rathke.*
Strophitus (sp.), *Rafinesque, Mon. Biv. Ohio.*
Lastena (sp.), *Rafinesque, l.c.*
Patularia (ovata), *Swains. Malac.* 1840.

1. ANODONTA CYGNEA.

Mytilus cygneus, *Linn. Syst. Nat.* ed. 12, 1158. *&c. &c.*; *Montagu, Test. Brit.* 170; *Turt. Conch. Dict.* 115.
Anodonta cygnea, *Drap. Moll. France*, t. 11. f. 6, t. 12. f. 1; *Thompson, Ann. N. H.* vi. 197; *Forbes & Hanley, Brit. Moll.* ii. 155.
Anodon anatinus, *Macgilliv. Moll. Aberd.* 241.
Lymnæa fusca, *Poli, Test. Sicil.* ii. 253–259.
Symphonota cygnea, *Lea, Obs. on Unio*, i. 70.

VAR. 1. Cellensis, *Gray, Turt. Man.* ed. 2. 289.
Mytilus Cellensis, *Schroeter, Flussconch.* t. 2. f. 1.
Mytilus Zellensis, *Gmel. S. N.* 3362, from *Schroet.*
Mytilus anatinus, *Penn. B. Zool.* ed. 4. iv. 97. t. 68. f. 79; *Mat. & Rack. Linn. Trans.* viii. t. 3 A. f. 1; *Sheppard, Linn. Trans.* xiii. t. 5. f. 5; *Flem. Edin. Encyclop.* vii. t. 204. f. 4; *Wood, Ind. Test.* t. 12, *Mytilus*, f. 33.
Anodonta sulcata, *Lamk. Hist. A. s. V.* v. 85, ed. 2. vi. 566; *Nilsson, Moll. Suec.* 113.
Anodon Cygneus, *Turton, Man.* ed. 1. t. 8, ed. 2, *Gray*, t. 1. f. 8; *Drap. Moll.* i. 12. f. 1?; *Brown, Ill. C. G. B.* t. 28. (erroneously 27) f. 1.
Anodonta cygnea, *Forbes & Hanley, l. c.* t. 41.
Anodonta Cellensis, *Pfeiff. Deutsch. Land & Sussw. Moll.* i. 110. t. 6. f. 1, ii. t. 6. f. 1–6; *Rossmas. Icon.* iv. 22. t. 19. f. 280; *Kuster, Chemn. Naiadea*, 16. t. A. f. 1, 2 (female), t. 4. f. 3, t. 5. f. 1–4, t. 6. f. 1 (male); *Sturm, Deutsch. Faun.* vi. abth. i. t. 5. f. 5, 6.
? Anodon paludosus, *Turton, Biv.* 240. t. 15. f. 6.
Distorted—Mytilus dentatus, *Turton, Dict.*

VAR. 2. Stagnalis, *Gray, Turt. Man.* ed. 2. 290.
Mytilus stagnalis, *Sow. Brit. Miscell.* t. 16, *& Brit. Mus.*; *Turton, Brit. Faun.* 165. no. 317; *Conch. Dict.* 115; ? *Dillw. R. S.* i. 316.
Anodonta cygnea, var. *β.* stagnalis, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272.

VAR. 3. Cygnea, *Gray, Turt. Man.* ed. 2. 290, fig. p. 288; *Forbes & Hanley, l. c.* t. 40. f. 2. & t. Q. f. 3, 3 *a*, animal.
Mytilus cygneus, *Schroeter, Flussconch.* t. 3. f. 1; *Penn. B. Z.* ed. 4. iv. 96. t. 67. f. 78; *Donov. B. S.* ii. 55; *Mat. & Rack. Linn. Trans.* viii. t. 3 A. f. 2; *Sheppard, Linn. Trans.* xiii. t. 5. f. 3; *Wood, Ind. Test.* t. 12, *Mytilus*, f. 32; *Dillw. R. S.* 315; *Flem. Ed. Encyc.* vii. t. 205. f. 16.
Anodonta cygnea, *Pfeiff. Deutsch. Land & Sussw. Moll.* i. 111. t. 6. f. 4, ii. t. 6; *Rossmas. Icon.* i. 111. t. 3. f. 67, v. t. 25. f. 342; *Brard, Coq. de Paris*, t. 10; *Brown, Ill. C. G. B.* t. 28. f. 1; ? *Lamk. Hist.* vi. 564.
Mytilus stagnalis, *Schroeter, Flussconch.* t. 1. f. 1; *Gmel. S. N.* 3362 (from *Schroeter*).
Mytilus anatinus, var. *β*, *Sturm, Deutsch. Faun.* i.

VAR. 4. Piscinalis, *Gray, Turt. Man.* ed. 2. 290.
Mytilus macula, young, *Sheppard, Linn. Trans.* xiii. t. 5. f. 6.
Anodonta piscinalis, *Nilsson, Moll. Suec.* 113. no. 3; *Schroeter, Flussconch.* t. 3. f. 1?; *Drap. Moll. terr. et fluv.* t. 12. f. 2;

Rossmas. Icon. t. 19. f. 291, t. 30. f. 416 var. *Kuster, Chemn. Naiadea,* t. 3. f. 4, 5.

Anodonta ventricosa, *Pfeiff. Land & Sussw. Moll.* ii. 30. t. 3. f. 1–6; *Kickx, Moll. Brab.* 80.

VAR. 5. Rostrata, *Gray, Turt. Man.* ed. 2. 291.

Anodonta rostrata, *Kokeil, MSS. Rossmas. Icon.* iv. t. 20. f. 284, xi. t. 54. f. 737; *Held, Isis,* 1836, heft iv. 280; *Kuster, Chemn. Naiadea,* 14. t. 4. f. 2.

Anodonta cygnea, var. rostrata, *Brown, Ill. C. G. B.* 81.

Anodonta Confervigera, *Schlüter, Museum* (fide *Kuster*).

VAR. 6. Complanata, *Gray, Turt. Man.* ed. 2. 291, fig.

Anodonta complanata, *Ziegler, MSS. Rossmas. Icon.* i. 112. t. 3. f. 68, iv. 24. t. 20. f. 283; *Kuster, Chemn. Naiadea,* 12. t. 3. f. 2. 3.

Anodonta compressa, *Menke, Syn.* ed. 2. 106.

An. rhomboidea, *Schlüter, Mus.* (fide *Kuster*).

An. intermedia, *Lamk. Hist.* ed. 2. vi. 568; *Pfeiff. Land & Sussw. Moll.* i. 113. t. 6. f. 3, ii. t. 5. f. 1, 6; *Kenyon, Mag. Nat. Hist.* i. f. 188; ? *Nilsson, Moll. Suec.* 117.

VAR. 7. Avonensis, *Gray, Turt. Man.* ed. 2. 291; *Forbes & Hanley, l. c.* t. 40. f. 3.

Anodonta ponderosa, *Pfeiffer, Land & Sussw. Moll.* ii. 31. t. 4. f. 1–6; *Rossmas. Icon.* iv. t. 20. f. 282; *Kickx, Moll. Brabant,* 81; *Kuster, Chemn. Naiadea,* 13. t. 4. f. 1.

Mytilus cygneus, var. β, *Mat. & Rack. Linn. Trans.* viii. t. 3 A. f. 3.

Mytilus incrassatus, *Sheppard, Linn. Trans.* xiii. t. 5. f. 4.

Mytilus Avonensis, *Mont. T. B.* 172; *Turt. Conch. Dict.* 116; *Brit. Faun.* 163. no. 319; *Wood, Ind. Test.* t. 12, *Mytilus,* f. 34.

Mytilus anatinus, var. Avonensis, *Mat. & Rack. Linn. Trans.* viii. t. 3 A. f. 4.

Anodon Avonensis, *Turt. Brit. Biv.* 241.

Anodonta cygnea, var. δ. Avonensis, *Leach, MSS. Ann. & Mag. N. H.* xx. 272.

Anodon cygneus, var. Avonensis, *Brown, Ill. C. G. B.* t. 29. f. 2.

Anodonta crassa, *Marks, MSS. in Turt. Man.* ed. 2. 202.

VAR. 8. *Gray, Turt. Man.* ed. 2. 292.

Anodonta anatina, *Pfeiffer, Land & Sussw. Moll.* i. 112. t. 6. f. 2; *Schroeter, Flussconch.* t. 1. f. 3; *Rossmas. Icon.* t. 30. f. 417–420; *Lamk. Hist.* ed. 2. vi. 565; *Flem. B. A.* 415; *Sow. Gen.* fig.; *Reeve, Conch. Syst.* 1–91; *Hanley, Rec. Shells,* i. 216; *Kuster, Chemn. Naiadea,* t. 3. f. 6.

Anodonta cygnea, var. γ. anatina, *Leach, MSS.* 1818. *Ann. & Mag. N. H.* xx. 272.

Mytilus anatinus, *Da Costa, Brit. Conch.* 215. t. 15. f. 2; *Mont. T. B.* 171; *Chemn. Conch. Cab.* viii. t. 86. f. 763; *Dillw. R. S.* i. 317.

Grand moule des étangs, *Geoff. Coq. Paris*, t. 3.

a—e (A. Cellensis). New River, near London.
f (A. stagnalis). England. From Mr. Sowerby's Collection.
g. (?) Warwickshire. Presented by Mrs. Corrie.
h—j (A. cygnea). New River, London, and Wiltshire.
k—q (A. piscinalis). Near Yarmouth, and River Bure, Norfolk.
r—w (A. complanata). England.
x—b b (A. rostrata). Liverpool.
c c (A. anatina). River Tay. Presented by Rev. Dr. Fleming.
d d, e e (ditto). Wiltshire. Presented by Miss Benett.
f f (ditto). Surrey Canal Docks.
g g—m m (?). River Brent, at Hendon, Middlesex.
n n (?). Tisbury, Wiltshire. Presented by Miss Benett.
o o—s s (A. Avonensis). Ditto. Ditto.
t t. Ditto. Ditto. Ditto.

2. MARGARITANA.

Margaritana (margaritifera), *Schum. Essai*, 123, 1817; *Lea, Trans. Amer. Soc.* vi. 1838; *Observ.* ii. 118, 134; *Swains. Malac.* 288, 382, 1840; *Troschel, Wiegm. Handb. Zool.* ed. 2. 587; *Gray, P. Z. S.* 1847, 196.

Unionidium (margaritifera), *Mus. Berl.* 1818.

Baphia, sp., *Meuschen, Mus. Gevers.* 1787.

Damalis (margaritifera), *Leach, MSS.* 1818, *Ann. & Mag. N. H.* 1847, xx. 273; *Swainson, Malac.*; *Gray, P. Z. S.* 1847. 196.

Damaris (margaritifera), *Leach, MSS.* 1818, *in Gray, Turton, Man.* ed. 2. 293 (misprint?).

Unio (margaritifera), *Oken, Zool.* 387, 1815; *Isis*, 1817, 1167; *Turton, Bivalves*, 249, 1822.

Unio, sp., *Lamk. Hist.* vi. 1818.

Mya, sp., *Linn. S. N.*

Unio (littoralis), *Lamk. Syst. A. s. V.* 114, 1801.

Potamida (sinuata), *Swains. Malac.* 1840.

Complanaria (gigas), *Swains. Malac.* 1840.

Uniopsis (mytiloides), *Swains. Malac.* 1840.

Alasmodonta (undulatus), *Say, Nicholson's Encyclopedia*; *Trans. Amer. Phil. Soc.* i. 459, 1820; *Desh. Ency. Méth.* ii. 14; *Ferussac, Tab. Syst.* 1819.

Alasmidonta, *Rafin. Monog. Biv. Ohio*, 1829; *Blainv. Malac.* 630, 1825.

Anelasmodonta, *Herrmannsen, Ind.* 27.

Alasmodon (margaritifera), *Flem. Brit. Anim.* 417, 1828; *Gray,*

in Turton, Man. ed. 2. 293; *Sow. Man.* ed. 2. 61; *Swainson, Malac.* 382, 1840.
Alasmedonta, *Gray.*
Alasmesodonta, *Blainv. Man.* 1825.
Monodonta, *Say, Nicholson's Encyc.*, Article *Conchology*, 1817 (not *Lamk.* nor *Bronn*).
Symphonota (alata), sp., *Lea, Amer. Phil. Trans.*
Lymnadea (alata), *Swainson, Malac.* 1840.

1. MARGARITANA MARGARITIFERA.

Mya margaritifera, *Linn. Faun. Suec.* ed. 2. 516; *Syst. Nat.* ed. 10. 671, & ed. 12. 1112; *List. Conch.* 149. f. 4; *Schroet. Flussc.* 168. t. 4. f. 1; *Penn. Brit. Zool.* ed. 4. iv. 67. t. 43. f. 18; *Da Costa, Brit. Conch.* 225. t. 15. f. 3; *Donov. Brit. Sh.* iii. 73; *Mont. Test. Brit.* 33. 561; *Mat. & Rack. Linn. Trans.* viii. 40; *Müller, Verm.* 210; *Turt. Conch. Dict.* 106. f. 47; *Brit. Faun.* 146. no. 178; *Chemn. Conch. Cab.* vi. 15. t. 1. f. 5; *Dillw. Rec. Shells*, i. 52; *Ind. Test.* t. 2, *Mya*, f. 30.
Damalis margaritifera, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 273.
Unio margaritiferus, *Retz. Nov. Gen.* 16; *Nilsson*, 103. n. 1; *Turton, Biv.* 242. t. 16. f. 1; *Man.* ed. 1. 19. t. 2. f. 9; *Forbes, Malac. Monens.* 44; *Spengler, Skrivt. Nat. Selsk. Kiöb.* iii. pt. 1. 52; *Hanley, Rec. Shells*, i. 213; *Forbes & Hanley, Brit. Moll.* ii. 146. t. 38 (as Alasmodonta margaritifera).
Unio margaritifera, *Drap.* 132. t. 10. f. 17–19, t. 11? f. 5?; *Pfeiffer*, i. 116. t. 5. f. 11; *Nilsson, Moll. Suec. T. et Fl.* 103; *Kickx, Moll. Brab.* 82; *Rossmas. Icon.* pt. i. 120. t. 4. f. 71–74, & pt. ii. t. 8. f. 129.
Unio sinuata, *Lamk. H.* vi. 70; *Pfeiffer*, ii. 33. t. 7. f. 4.
Alasmodonta arcuata, *Barnes, Silliman's Journal*, vi. 277. t. 12. f. 20; *Gould, Inv. Mass.* 113. f. 75.
Margaritana margaritifera, *Lea, Trans. Amer. Phil. Soc.* vi. 135.
Unio elongatus, *Nilsson*, 106. n. 2; *Lamk. Hist.* 2nd ed. vi. 531.
Unio elongata, *Mich. Compl.* 113. t. 16. f. 29; *Gras, Moll. T. et Fl. France, App.* 22.
Unio Roissyi, *Mich. Compl.* 112. t. 16. f. 28; *Rep. Brit. Assoc. for* 1838.
Unio margaritifera, forma Roissyi, *Forbes, Malac. Mon.* 44.
Alasmodon margaritiferum, *Fleming, B. A.* 417.
Alasmodon margaritiferus, *Gray, Man. L. & F. W. Shells*, 293. t. 2. f. 9; *Thompson, Ann. Nat. Hist.* vi. 197; *Macgilliv. Moll. Aberd.* 242; *Brown, Ill. Con. G. B.* 83. t. 30. f. 1–4, t. 31. f. 1, 2, t. 32. f. 13–15.

YOUNG. With small, posterior, lateral teeth like *Unio*.

Unio riparia, *Pfeiffer*, ii. t. 5. f. 13?
Unio margaritifera, *Pfeiffer*, ii. t. 7. f. 1.
a—d. River Conway, North Wales. Presented by Richard Williams, Esq.
e. Thornton Craven, Yorkshire. Presented by W. Gilbertson, Esq.
f, g. River Reed, Northumberland.
h, i. Aberdeen.
j, k. Aveton, Gifford River.
l. Loch Tay.
m. River Bann.
n. Shetland. Presented by R. T. C. Scott, Esq.
o. Britain, with pearls.
p—r (jun.). Britain.

3. Unio.

Unio (pictorum), *Retz. Diss. Phys.* 16, 1788; *Brug. Journ. H. N.* i. 1792; *Encyc. Méth.* t. 247; *Spengler, Skrivt. N. Selsk.* iii. 53, 1783; *Schumacher, Essai*, 137, 1817; *Leach, MSS.* 1818. *Ann. & Mag. N. H.* xx. 272.
Mya (pictorum), *Humph. Mus. Calonn.* 1797.
Unionea ( ), *Rafin.* 1815.
Mysca (pictorum), *Turton, Bivalves*, 244, 1822; *Swains. Malac.* 276, 378.
Mysia (pictorum), *Gray, Proc. Z. S.* 1847, misprint (not *Leach*).
Baphia, § 1. (pictorum), *Meuschen, Mus. Gevers.* 1787.
Limnæa and Limnæoderma (pictorum), *Poli, Test. Sicil.*
Limnium or Lymnium (pictorum), *Oken, Lehrb. Naturg.* 1815.
Luticola (pictorum), *Goldfuss, in Agass. Nomen.* 1846.
Unio (mytiloides), *Swainson, Malac.* 267, 1840.
Cunicula (planulata), *Swains. Malac.* 267, 1840.
Curricula (planulata), *Gray, P. Z. S.* 1847 (misprint).
Ligumia (recta), *Swains. Malac.* 267, 1840.
Theliderma (metanera), *Swains. Malac.* 267, 1840.
Megadomus (gigas), *Swains. Malac.* 267, 1840.
Æglia (ovata), *Swains. Malac.* 267, 1840.
Calceola (calceolus), *Swains. Malac.* 267, 1840.
Hemiodon (undulatus), *Swains. Malac.* 267, 1840.
Nian (ater), *Swainson, Elem.* 1837.
Naidea (ater), *Swainson, Malac.* 267, 1840.
Canthyria (spinosus), *Swains. Malac.* 267, 1840.
Iridea (granosus), *Swains. Malac.* 267, 1840.
Naia (corrugata), *Swains. Malac.* 267, 1840.
Hyridella (australis), *Swains. Malac.* 267, 1840.
Proptera, Eurynia, Elliptio, Plagiola, Obovaria, Truncilla, Am-

blema, and Pleurobema, *Rafinesque, Journ. Phys.* lxxxviii. 426, 1819.

Unio, Lampsilis, Metaptera, Truncilla, Obliquaria, Elliptio, Leptodea, Aximedia, and Eurynia, *Rafin. Monog. Biv. Ohio*, 1820, ed. *Chenu*, 9.

1. UNIO PICTORUM.

Lister, Hist. Conch. t. 147. f. 3; *Enc. Méth. Vers*, t. 248. f. 4.

Mya pictorum, *Linn. S. Nat.* ed. 12. 1112; *Faun. Suec.* ed. 2. 516; *Sturm, Fauna*, vi. 2. f. *a*; *Wood, Conch.* 104. t. 19. f. 3, 4; *Schroet. Flussc.* t. 4. f. 6; *Penn. Brit. Zool.* ed. 4. iv. 67. t. 43. f. 17; *Da Costa, Brit. Con.* 228. t. 15. upper f. 4; *Mat. & Rack. Linn. Trans.* viii. 38; *Dorset Cat.* t. 12. upper f. 4; *Turt. Conch. Dict.* 106; *Brit. Faun.* 146. no. 179; *Dillw. Rec. Shells*, i. 49; *Ind. Test.* t. 2, *Mya*, f. 26.

Unio pictorum, *Lamk. Hist.* v. 77, ed. 2. vi. 541; *Encyc. Meth.* t. 248. f. 4; *Drap. Moll.* t. 11. f. 4; *Rossm. Icon.* t. 3. f. 71 *a*, *b*, 196, 409, 587–590, 741, 762–780; *Pfeiffer*, i. 115. t. 5. f. 9, 10, t. 1. f. 17 (animal), & ii. t. 2. f. 24 (young); *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Crouch, Intr. Conch.* t. 9. f. 4; *Kickx, Moll. Brab.* 84; *Hanley, Rec. Shells*, i. 205. t. 2, *Mya*, f. 26; *Flem. Brit. An.* 416; *Gray, in Turt. Man. L. & F. W. Shells*, 295. t. 2. f. 11; *Brown, Ill. Con. G. B.* 81. t. 31. f. 7, 9–11; *Nilsson, Moll. Suec. T. et Fl.* 111; *Blainv. Man. Malac.* 67. f. 2; *Forbes & Hanley, Brit. Moll.* ii. 142. t. 39. f. 1; t. Q. f. 2 (animal).

Unio rostratus, *Pfeiffer*, i. 114. t. 5. f. 8; *Alder, Mag. Nat. Hist.* ii.; *Lamk. Hist.* 2nd ed. vi. 540; *Brown, Ill. Conch. G. B.* 82. t. 32. f. 9, 10; *Kickx, Moll. Brab.* 83; *Michaud, Comp. Moll. T. et Fl. France*, 108. t. 16. f. 55; *Gras, Moll. T. et Fl. France*, 71. t. 5. f. 21.

Limnæa fusca, *Poli, Test. Sicil.* ii. 253, 259.

Mysca pictorum, *Turton, Bivalves*, 245; *Man.* ed. 1. 20. f. 11.

Unio elongatula, *Pfeiffer*, ii. 35. t. 8. f. 5, 6.

Mya ovalis, *Donov. B. S.* iv. 89; *Mont. Test. Brit.* 34.

Unio limosus, *Nilsson, Moll. Suec. T. et Fl.* 110; *Rossmas. Icon.* pt iii. 24. t. 13. f. 199.

U. Deshayesii, *Michaud, Moll. T. et Fl. France*, 107. t. 16. f. 30; *Brown, Ill. Conch. G. B.* 81. t. 32. f. 1–4; *Rossmas. Icon.* pt. iii. 23. t. 13. f. 197; *Gras, Moll. Ter. et Fl. France, App.*

Unio longirostris, *Zieyler, in Rossmas. Icon.* pt. iii. 26. t. 14. f. 200, & pt. xii. 13. t. 54. f. 38.

a—*c*. Newberry.

d—*l*. River Bure, Norfolk. Presented by the Rev. J. Bulwer.

m—*t*. Wednesbury, Warwickshire. Presented by Mrs. Corrie.

u. Castle Cary. Presented by Miss Benett.
v, *w*. Yorkshire. Presented by W. Sewell, Esq.
x—*z*, var. (U. rostrata, *Pfeiffer*). Erpingham, Norfolk. Presented by the Rev. J. Bulwer.
a a—*c c*, var. (ditto). River Bure, Norfolk. Presented by the Rev. J. Bulwer.
d d—*g g*, var. (U. elongatula?). River Bure, Norfolk. Presented by the Rev. J. Bulwer.
h h (ditto). New River, London.

2. UNIO TUMIDUS.

Unio tumidus, *Retzius, Nov. Gen.* 17. n. 3; *Gray, Man. L. & F. W. Shells*, 297. t. 2. f. 13; *Brown, Ill. Conch. G. B.* 82. t. 32. f. 5-8; *Spengler, Skrivt. Nat. Selsk. Kiob.* iii. pt. i. 57; *Kickx, Moll. Brab.* 83; *Hanley, Rec. Shells*, i. 205. t. 2, *Mya*, f. 27; *Forbes & Hanley, Brit. Moll.* ii. 140. t. 40. f. 1.

U. tumida, *Pfeiffer*, ii. 34. t. 7. f. 2, 3; t. 8. f. 1, 2; t. 2. f. 25, young; *Rossm. Icon.* i. 117. t. 3. f. 70 *a*, *b*, ii. 27. t. 14. f. 202-204, vii. and viii. 41. t. 40. f. 542, xii. 32. t. 60. f. 772-778.

Mysca solida, *Turton, Bivalves*, 246. t. 16. f. 2; *Man.* ed. 1. 22. f. 13.

Mya ovata, *Donovan*, iv. t. 122; *Mat. & Rack. Linn. Trans.* viii. 39; *Turt. Conch. Dict.* 106; *Wood, Gen. Conch.* 105. t. 19. f. 5; *Ind. Test.* t. 2, *Mya*, f. 27; *Dillw. Rec. Shells*, i. 50.

Mya ovalis, *Pulteney Hutchins' Dorset*, 27 (fide *Mont.*); *Mont. Test. Brit.* 34; *Turton, Brit. Faun.* 146. no. 180?

Mya depressa, *Donovan, B. S.* iii. t. 101.

Mysca ovata, *Turt. Brit. Biv.* 246; *Man. L. & F. W. Shells*, ed. 1. 21. f. 12; *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272.

Unio ovalis, *Fleming, Brit. An.* 416; *Brown, Ill. Con. G. B.* 82. t. 31. f. 1-4; *Sow. Gen. Shells, Unio*, f. 1; *Reeve, Conch. Syst.* i. 87. f. 1; *Gray, Turton's Man. L. & F. W. Shells*, 297. t. 2. f. 12? (distorted specimen of Unio tumidus?).
a—*e*. Bath River.
f. York fosse. Presented by J. Phillips, Esq.
g, *h*. York. Presented by P. Carpenter, Esq.
i—*n*. Surrey Canal.
o—*q*. Britain.
r—*v*. New River, London.
w (jun.). Warwickshire. Presented by Mrs. Corrie.
x (polished specimen). Dock at Deptford.
y, *z* (elongated, white inside). Castle Ashby. Presented by the Marquis of Northampton.
a a (very elongated, light salmon-coloured inside). Castle Ashby. Presented by the Marquis of Northampton.

b b—e e (short, salmon-coloured inside). Castle Ashby. Presented by the Marquis of Northampton.
f f (very deep salmon-coloured inside). Herefordshire. Presented by G. Waterhouse, Esq.
g g—i i (light salmon-coloured inside). Wednesbury, Warwickshire. Presented by Mrs. Corrie.
j j, k k (var. distorted). River Thames.
l l (ditto). Presented by J. D. C. Sowerby, Esq.

Fam. 5. ARCADÆ.

Arcadæ, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Flem. Brit. An.* 382, 1828; *Gray, Syn. B. M.* 1840; 1842, 81, 91; *Proc. Zool. Soc.* 1847, 197.
Arcadæ, part., *Swains. Malac.* 382, 1840.
Axinea and Axinoderma, Daphnæa and Daphnæoderma, *Poli, Test. Sicil.*
Les Arcacées (Arcacea), *Lamk. Phil. Zool.* 318, 1809; *Cour.* 106, 1812; *Hist.* v. 33, ed. 2. vi. 451; *Blainv. Dict. Sci. Nat.* x. 216; *Sow. Conch. Man.* ed. 2. 72.
Arcacés, *Féruss. Prod.* 42; *Rang, Man. Moll.* 287.
Byssiferia, Limæridia and Pernaridia, part., *Rafin.*
Pectunculidæ, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* 1847, 272.
Arcacea, *Anton, Verz. Conch.* 12.
Arcina, part., *Macgilliv. Moll. Aberd.* 207.
Arca, *Linn. Syst. Nat.*
Arcæ, § 3. part., *Oken, Zool.* 1815.
Arcaria, *Gravenh. Thier.* 33, 1845.
Arcacidæ, *D'Orb. Pal. Franç.*; *Geinitz, Grund.*
Arcaceæ, part., *Menke, Syn.* 60, 1828.
Arcadæ, part., *Forbes & Hanley, Brit. Moll.* ii.
Pogonopoda, part., *Gray, Lond. Med. Repos.* 1821.
Polydonta, *Blainv. Dict. Sci. Nat.* xxxii. 320, 1824; *Malac.* 535, 1825.
? Polybranchiata, *G. Sow. Conch. Man.* ed. 2. 233.

* ARCADÆ, *Leach.*

1. ARCA.

Arca, part., *Linn. S. N.* ed. 10. 1758, ed. 12. 1140, 1767; *Gmelin, S. N.* 3305, 1788; *Brug. Enc. Méth.* i. 92, 1789.
Arca (Noæ), *Lamk. Syst.* 115, 1801; *Hist.* ed. 2. vi. 457, 1818; *Rang, Man.* 287; *Desh. Ency. Méth.* iii. 553; *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Sow. Gen.*; *Conch. Man.* ed. 2. 71; *J. Sow. Min. Conch.* t. 44; *Blainv. Malac.* 535,

1825; *Gray, Med. Repos.* 1821; *Proc. Zool. Soc.* 1847, 197; *Forbes & Hanley, Brit. Moll.* ii. 233.

Arcaria (Noæ), *Rafinesque, Anal. Nat.* 1815.

Arca, § *a, D'Orbigny.*

Navicula (Noæ), *Hebenstr. Disser.* 1728? (not *Spix*); *Blainv. Dict. Sci. Nat.* x. 216, 1818; *Malac.* 535, 1825; *Anton, Verz.* 12, 1839.

Byssoarca, *Swainson, Zool. Illust. Elem.* 1835; *Malac.* 1840.

Daphnæa and Daphnæoderma, part., *Poli, Test. Sicil.* 1795.

Pectunculus (mesol), *Adanson, Seneg.* 1759.

Musculus polyleptoginglymus, *Klein, Ostrac.* 167, 1753.

Cyphoxis, sp., *Rafinesque, Journ. Phys.* lxxxvii. 247, 1819.

Litharca (Lithodomus), *Gray, Syn. Brit. Mus.* 1842, 81, 1844.

1. ARCA TETRAGONA.

Arca tetragona, *Poli, Test. Sicil.* ii. 137. t. 25. f. 12, 13; *Lamk. Hist.* 2nd ed. vi. 461; *Turt. Biv.* 167. t. 13. f. 1; *Forbes, Mal. Mon.* 41. t. 3; *Flem. B. An.* 398; *Brown, Ill. C.* ed. 2. 86. t. 33. f. 20, 21; *Reeve, Conch. Icon. Arca,* t. 15. f. 100; *Thorpe, Brit. Mar. Conch.* 102; *Philippi, Moll. Sic.* i. 57; *Hanley, Rec. Shells, Supp.* t. 19. f. 13; *Forbes & Hanley, Brit. Moll.* ii. 234. t. 45. f. 9, 10; t. P. f. 1, animal.

Arca Noæ, *Mont. T. B.* 139. t. 4. f. 3 (not *Linn.*); *Don. B. S.* v. t. 158. f. 1, 2; *Turt. Dict.* 9. f. 58; *Brit. Faun.* 161. no. 285; *Müller, Z. D.*?; *Couch, Corn. Faun.* pt. ii. 30; *Brown, Ill. Conch. G. B,* 86. t. 33. f. 1–3.

Arca cardissa, *Lamk. Hist.* 2nd ed. vi. 463; *Alder, Cat. Moll. North.* 79; *Delessert, Rec. Coq.* t. 11. f. 14; *Hanley, Rec. Shells,* i. 153.

A. tortuosa, *Penn.* (not *Linn.*) *B. Z.* iv. n. 57; *Borlase, Cornw.* t. 28. f. 15, 16.

A. papillosa, *Brown, Wern. Mem.* viii. t. 1. f. 19.

Daphnæa fusca, Daphnæoderma Noæ, *Poli,* ii. 258, 259.

A. navicularis, *Desh.* (not *Brug.*); *Lamk. Hist.* 2nd ed. vi. 462; *Philippi, Moll. Sic.* ii. 42; *Lovèn, I. M.* 33. no. 253.

A. Britannica, *Reeve, Conch. Icon. Arca,* t. 15. f. 98.

A. rhombea, *Couch, Corn. Faun.* pt. ii. 31.

Arca fusca, *Solander, MSS.*; *Don. B. S.* v. t. 158. f. 3 (not *Brug.*); *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Mont. T. B. Supp.* 51; *Turt. Conch. Dict.* 10; *Brit. Biv.* 166; *Flem. B. An.* 397; *Couch, Corn. Faun.* pt. ii. 30; *Thorpe, Brit. Mar. Conch.* 101; *Brown, Ill. C. G. B.* 86. t. 33. f. 4, 5.

A. imbricata, *Dillw.* i. 226 (not *Brug.*).

Balanus Bellonii, *List. Conch.* t. 367. f. 207.

a, b. Near Bantry.

c—k. Coast of Galway. Presented by G. B. Sowerby, Esq.

l—t. Dunbar. (Mus. Mont.?)

2. ARCA LACTEA.

Arca lactea, *Linn. S. N.* 1141; *Da Costa*, 171. t. 11. f. 5, 6; *Dorset Cat.* 36. t. 11. f. 5; *Mat. & Rack. Linn. Trans.* viii. 93; *Penn. B. Z.* ed. 1812, iv. 216. t. 61. f. 2; *Flem. B. An.* 398; *Mont. T. B.* 138; *Thorpe, Brit. Mar. Conch.* 102; *Turton, Brit. Faun.* 160. no. 284; *Dillw. Rec. Shells*, i. 236; *Don. B. S.* iv. t. 135; *Brown, Ill. Conch. G. B.* 86. t. 33. f. 6; *Lamk. Hist.* 2nd ed. vi. 467; *Mawe, Conchol.* t. 13. f. 4; *Costa, Test. Sic.* 46; *Philippi, Moll. Sic.* i. 57, ii. 42; *Hanley, Rec. Shells*, i. 154. t. 9, *Arca*, f. 24; *Reeve, Con. Icon. Arca*, t. 17. f. 116; *Forbes & Hanley, Brit. Moll.* ii. 238. t. 46. f. 1–3.

Pectunculus exiguus albus, *List. Conch.* t. 235. f. 69 A.

Arca Pennantii, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272.

Arca barbata, *Penn.* (not *Linn.*) *B. Z.* iv. 84. no. 60. t. 58. f. 59 (fig. referred to A. tortuosa).

A. crinita, *Pulteney, Dorset*, 35 (t. 11. f. 5).

A. perforans, *Turt. Dict.* 9; *Bivalves*, 169. t. 13. f. 2, 3.

A. nodulosa, *Müller, Z. Dan.*; *Chem.* vii. f. 201 (not *Brocchi*).

A. lactea β, *Gmelin.*

A. scabra, *Poli, Test. Sicil.*; *Philippi, Moll. Sicil.*

A. modiolus, *Olivi*, 115; *Poli, Test. Sicil.* t. 25. f. 20, 21 (not *Gmelin*); *Costa, Test. Sic.* 45.

A. Quoyi, *Payr.* 62. t. 1. f. 40–43.

A. Gaimardi, *Payr.* 61. t. 1. f. 36–39; *Desh. Lamk. Hist.* 2nd ed. vi. 476; *Costa, Cat. Test. Sic.* 46; *Hanley, Rec. Shells*, i. 155; *Desh. Exp. Alger. Moll.* t. 124. f. 8, 11.

a—d. Guernsey.

e, f. Britain. Presented by Mrs. Robinson.

g—v. Britain.

3. ARCA RARIDENTATA.

Arca raridentata, *S. Wood, Mag. N. H.* (series 2.) iv. 232. t. 13. f. 4 (foss.); *Thompson, Ann. N. Hist.* xviii. 385; *Forbes & Hanley, Brit. Moll.* ii. 241. t. 45. f. 8.

Arca Pectunculoides, *Scacchi, Notiz.* 25. no. 62. t. 1. f. 12 (*Philippi*); *Jeffreys, Ann. Nat. Hist.* 1847, xix. 313; *Philippi, Moll. Sic.* ii. 44. t. 15. f. 8; *Lovèn, Ind. Moll. Skand.*

a—c (odd valves). Hebrides. Presented by R. M'Andrew, Esq.

d—h. Isle of Skye. Presented by R. M'Andrew, Esq.

4. ARCA BARBATA.

Arca barbata, *Linn. S. Nat.* (not *Faun. Suec.*), ed. 12. 1140; *Born, Mus. Cæs.* 88; *Chemn. Conch. Cab.* vii. 187. t. 54. f. 535; *Dillw. Rec. Shells*, i. 229; *Brown, Wern. Trans.* ii. 512. t. 24. f. 3; *Blainv. Man. Malac.* t. 65. f. 1; *Brown, Ill. C. G. B.*

86. t. 33. f. 7; *Philippi, Moll. Sic.* i. 57, ii. 42; *Lamk. Hist.* 2nd ed. vi. 465; *Hanley, Rec. Shells*, i. 193. t. 9, *Arca*, f. 3; *Flem. B. An.* 398; *Poli, Test. Sicil.* ii. 135. t. 25. f. 6, 7; *Thorpe, Brit. Mar. Conch.* 102; *Reeve, Conch. Icon. Arca*, t. 13. f. 83; *Desh. Exp. Alger. Moll.* t. 119, anatomy; *Forbes & Hanley, Brit. Moll.* ii. 243.

A. reticulata, *Flem. B. A.* 168; *Turt. Conch. Dict.* 7; *Brit. Biv.* 168, 259.

Daphnæa fusca, Daphnæoderma barbata, *Poli*, ii. 255, 259.

Inhab. Lough Strangford. *Dr. Macgee.*

** PECTUNCULIDÆ, *Leach.*

2. AXINEA.

Axinæa (or Axinea) and Axinoderma (pilosa), *Poli, Test. Sic.* 1791; *Oken, Zool.* 1815; *Allg. Naturg.* v. 327, 1835.

Tuceta (pilosa), *Bolten, Mus.* 1798, ed. 2. 120, 1819.

Pectunculus (pectunculus), *Lamk. Prod.* 1799; *Syst.* 115, 1801; *Phil. Zool.* 1809; *Hist.* vi. 47, 1819, ed. 2. vi. 483; *Cuvier, Anat. Comp.* 1800; *Règn. Anim.* 1817, ed. 2. 1830; *Rang, Man.* 288, 1829; *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Desh. E. M.* 111, 1830 (not *Lister*, nor *Adanson*, nor *Da Costa*); *J. Sow. Min. Conch.* t. 27, 1813; *G. Sow. Gen.*; *Conch. Man.* ed. 2. 218, 1842.

Glycimeris (pectunculus), *Humph. Mus. Calon.* 1797.

Pectunculus (Glycimeris), *Megerle, Entw.* 1811.

1. AXINEA GLYCIMERIS.

Lister, Conch. t. 247. f. 82 A; *Enc. Méth. Vers*, t. 310. f. 3.

Arca glycimeris, *Linn. S. N.* ed. 12. 1143; *Mus. Ulric.* 521; *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Penn. B. Z.* t. 58. f. 58; *Turt. Conch. Dict.* 7; *Brit. Faun.* 160. no. 283; *Dillw. R. Shells*, i. 241; *Don. B. S.* ii. t. 37. f. 2; *Ind. Test.* t. 10, *Arca*, f. 36; *Wood, Linn. Trans.* vi. t. 18. f. 1, 2; *M. & R. Linn. Trans.* viii. 93. t. 3. f. 3; *Mawe, Conchol.* t. 13. f. 7.

Pect. glycimeris, *Turt. Bivalves*, 171. t. 12. f. 1 (not *Lamk.* nor *Philippi*); *Macgilliv. Moll. Aberd.* 238; *Thorpe, Brit. Mar. Conch.* 103; *Brown, Ill. C. G. B.* 85. t. 33. f. 8, 9; *Burrows, El. Conch.* t. 8. f. 7; *Crouch, Introd. Conch.* t. 8. f. 11; *Reeve, Conch. Icon. Pectunc.* t. 3. f. 12; *Forbes & Hanley, Brit. Moll.* ii. 245. t. 46. f. 4-7; t. P. f. 6, animal.

Arca pilosa, *Linn. S. N.* ed. 12. 1143; *Mat. & Rack. Linn. Trans.* viii. 93. t. 3. f. 4; *Pult. Dors.* 35; *Mont. T. B.* 136; *Supp.* 53; *Dorset Cat.* 36. t. 11. f. 2; *Turt. Conch. Dict.* 6; *Dillw. Rec. Shells*, i. 242; *Ind. Test.* t. 10, *Arca*, f. 37.

Pectunculus pilosus, *Lamk. Hist.* 2nd ed. vi. 448; *Turt. B. Biv.* 172. t. 12. f. 2; *Fleming, Edin. Enc.* vii. 97. t. 203. f. 18; *Brit. An.* 400; *Hanley, Thorpe, M. C.* xxix.; *Forbes, M. G. S.* i. 416. 64; *Malac. Monens.* 42; *Brown, Ill. C. G. B.* 85. t. 33. f. 10, 11; *Blainv. Man. Malac.* t. 65 bis, f. 3; *Philippi, Moll. Sic.* i. 61, ii. 44; *Sow. Conch. Man.* f. 134; *Hanley, Rec. Shells*, i. 162. t. 10, *Arca*, f. 36, 37.

Axinæa polyderma, Axinæoderma pilosus, *Poli, Test. Sicil.* ii. 254–259.

Arca minima, *Turt. Conch. Dict.* 8.

Glycimeris orbicularis, *Da Costa*, 168. t. 11. f. 2.

Arca undata, *Chemn.* (not *Linn.*) *Conch. Cab.* vii. 224. t. 57. f. 560.

A. marmorata, *Chemn. l. c.* f. 563?

Pectunculus variabilis, *Sow. M. C.* t. 471. f. 1.

Pect. undatus, *Turt. B. Biv.* 173. t. 12. f. 3, 4.

Pect. decussatus, *Turt. B. Biv.* 173. t. 12. f. 5; *Flem. B. An.* 400; *Thorpe, Brit. Mar. Conch.* 104.

Pect. nummarius, *Turt. Brit. Biv.* 174. t. 12. f. 6; *Flem. B. An.* 400; *Thorpe, Brit. Mar. Conch.* 104.

Young. Pectunculus decussatus, *Turton, Biv.* 173. t. 12. f. 5.
a—i. Weymouth.
j—m. Island of Bute.

Order IV. POGONOPODA.

Pogonopoda, *Gray, Med. Repos.* 1821, 237; *Syn. B. M.* 1840, 81, 91; *Proc. Zool. Soc.* 1847, 198.

Les Byssifères, part., *Lamk. Phil. Zool.* 317, 1809; *Ext. Cour.* 105 (1812).

Asiphonia Byssifera, part., *Rafin. Anal. Nat.* 1815.

Conchifères monomyaires, part., *Lamk. Ann. Mus.* x. 389; *Hist.* vi. 100.

Conch. Dimyaires lamellipèdes, part., *Lamk. Hist.* v.

Ostracés dimyaires, and Benitiers, *Cuvier, R. A.*; *Féruss. Prod.* 39, 41.

Ostracea Dimya, *Menke, Syn.* 101, 1830.

Mytyli and Tridacnæ, *Eichw. Zool. Spec.* i. 285.

Ostracea (Ostracées), *Lamk. Phil. Zool.* 1809; *Extr. du Cour.* 1812.

Ostrenceæ, *Schweigger, Natury.* 712, 1820.

Fam. 1. Mytilidæ.

Mytilidæ, *Fleming, Brit. Anim.* 408, 1828; *Gray, Syn. B. M.* 1840; 1842, 82; *Proc. Zool. Soc.* 1847, 198.

Callitriche and Callitrichoderma, *Poli, Test. Sicil.*

Byssifères, part., *Lamk. Cour.* 105.
Mytilidia, *Rafin. Anal. Nat.* 1815.
Mytilaceæ (Mytilacées), *Lamk. H.* vi. 108, 1819, ed. 2. vii. 13; *Latr. Fam. Nat.*
Mytilacea, *Menke, Syn.* 104, 1830; *Anton, Verz. Conch.* 12.
Mytilacea (Mytilaces), part., *Cuvier, R. A.* 1817; *Rang, Man. M.* 290; *Féruss. Prod.* 42.
Mytilina, part., *M.-Edwards, Elem. Zool.*; *Macgilliv. Moll. Aberd.* 206.
Mytilaceæ, *Menke, Syn.* 62, 1828.
Pinnadæ, part., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272.
Mytiloidea, *Fitz. Syst. Verz.* 119, 1833.
Biforipalla, part., *Latr. Fam. Nat.*

1. Mytilus.

Mytilus (edulis), *Linn. S. N.*; *Brug. E. M.* tab. 1792; *Cuvier, Tab. Elem.* 1798; *R. A.* 1817; *Lamk. Syst.* 113, 1801; *Hist.* vi. 117, 1819, ed. 2. vii. 34; *Forbes & Hanley, Brit. Moll.* ii. 168; *Quoy & Gaim. Voy. Astrol.* iii. 462.
Perna (dotel), part., *Adanson, Seneg.* 207, 1757.
Perna (M. Perna), *Retzius, Dissert.* 20, 1788 (not *Brug.* nor *Oken*); *Schumacher, N. Syst.* 120, 1817.
Callitriche and Callitrichoderma, part., *Poli, Test. Sicil.*
Mytillus, *Say, Journ. Acad. Philad.* ii. 263.
Mytulus, *Rondeletius, Univ. Aquat. Hist.* 1555; *Aldrovandus, De Test. Cap.* 71; *Retzius, Dissertat.* 1788.
Musculus, *Rondelet.*; *Aldrov.*
Musculus s. Mutilus, sp., *Argenv. Conch.* 288, 1757.

1. Mytilus edulis.

List. Ang. t. 4. f. 28; *Conch.* t. 362. f. 200.
Mytilus edulis, *Linn. S. N.* 1159, ed. 12. 1157; *Faun. Suec.* ed. 2. 521; *Chem.* viii. 755. t. 84. f. 750, 751, 755; *Penn. B. Z.* ed. 4. iv. 94. t. 63. f. 73; *Mont. T. B.* 159; *Don. B. S.* iv. t. 121. f. 1; *Wood, Linn. Trans.* vi. t. 18. f. 13, 14; *Lovèn, I. M.* 33. 251; *Forbes, M. G. S.* i. 419. 74; *Brown, Ill. Conch. G. B.* 76. t. 27. f. 11–15, t. 45. f. 4–7; *Pulteney Hutchins' Dorset,* 38; *Mat. & Rack. Linn. Trans.* viii. 105; *Dorset Cat.* 39. t. 12. f. 5, left hand; *Turt. Conch. Dict.* 109; *Brit. Biv.* 196; *Brit. Faun.* 163. no. 304; *Flem. Brit. An.* 411; *Macgilliv. Moll. Aberd.* 234; *Thorpe, Brit. Mar. Conch.* 109; *Alder, Cat. Moll.* 80; *Fabric. Faun. Grœnl.* 417; *Born, Mus. Cæs.* 126; *Poli, Test. Sic.* i. t. 1. f. 13, & ii. 194. t. 31 (except f. 1); *Burrows, Elem. Conch.* t. 10. f. 5; *Dillw. Rec. Shells,* i. 309; *Lamk. Hist.* 2nd ed. vii. 47; *Gould, Invert. Mass.* 121. f. 82; *Penny Cyclop.* xvi. 46. f. *a, b,* & 47. f. *a, b, c*; *Hanley, Rec. Shells,* i. 250. t. 12.

f. 22, 48; *Supp.* t. 2, *Myt.* f. 2; *Philippi, Moll. Sic.* ii. 53; *Forbes & Hanley, Brit. Moll.* ii. 170. t. 48. f. 1–4, t. Q. f. 5 (animal).

Common Mussel, *Da Costa, Elem. Conch.* t. 6. f. 3.

Mytilus vulgaris, *Da Costa, B. S.* 216. t. 15. f. 5 (on the left).

M. subsaxatilis, *Williamson, Mag. N. H.* vii. 354. f. 48; *Couch, Corn. Faun.* pt. ii. 34; *Thorpe, Brit. Mar. Conch.* 109.

"M. angulatus, *Alder, MSS.*," *Brown, l. c.*

"M. solitarius, *Marks*," *Brown, l. c.*

M. edulis crassus, *Brown.*

M. Galloprovincialis, *Lamk. Hist.* 2nd ed. vii. 46; *Philippi, Moll. Sic.* i. 72. t. 5. f. 12, 13, ii. 53; *Hanley, Rec. Shells,* i. 249.

M. pellucidus, *Penn. B. Z.* ed. 4. iv. 95. t. 63. f. 75; *Mat. & Rack. Linn. Trans.* viii. 107; *Mont. T. B.* 160; *Don. B. S.* iii. t. 81; *Laskey, Mem. Wern. Soc.* i. 392; *Turt. Conch. Dict.* 110; *Brit. Biv.* 197. t. 15. f. 1, 2; *Brit. Faun.* 163. no. 306; *Chemn.* f. 731; *Thorpe, M. Conch.* 110. f. 105; *Dillw. Rec. Shells,* i. 309; *Ind. Test.* t. 12. f. 22; *Mawe, Conchol.* t. 16. f. 2.

M. incurvatus, *Penn. B. Z.* t. 64. f. 74 (distorted); *Mont. T. B.* 160; *Mat. & Rack. Linn. Trans.* viii. 105. t. 3. f. 7; *Laskey, Mem. Wern. Soc.* i. 391; *Turt. Conch. Dict.* 109; *Brit. Biv.* 197; *Brit. Faun.* 163. no. 305; *Ind. Test.* t. 12. f. 48.

M. elegans, *Leach, B. M.*; *Brown, Ill. C.* t. 29. f. 14, 15.

M. ungulatus, *Linn.* (not *Gmel.* nor *Lamk.*) *S. N.* ed. 10. 705, ed. 12. 1156 (part.); *Chemn.* viii. t. 85. f. 756; *Donov. B. S.* iv. t. 128. f. 2; *Turt. B. Biv.* 195; *Brit. Faun.* 164. no. 308.

M. retusus, *Lamk. Hist.* ed. 2. vii. 48.

M. hesperianus, *Lamk. Hist.* ed. 2. vii. 48?; *Payr. Cat. Moll. Corse,* 68. t. 2. f. 5?

M. minimus, *Poli, Sic.* 209. t. 31. f. 1; *Philippi, Sic.* 73.

M. sagittatus, *Poli, Test. Sic.* ii. 208. t. 32. f. 2, 3.

M. dilatatus, *Gray, Ann. Phil.* 1828, 137.

M. alæformis, *Sow. M. C.*

M. antiquorum, *Woodward, Geol. Norf.*

M. borealis, *Dekay, Moll. New York.*

M. abbreviatus, *Lamk. Hist.* 2nd ed. vii. 47; *Potiez & Mich. Gal. Douai,* ii. 54. f. 1.

Callitriche purpurea, Callitrichoderma edulis and C. minimum, *Poli,* ii. 254, 259.

Perna ungulina, *Retz. Nov. Test. Gen.* 21.

Mytilus flavus, *Poli, Test. Sic.* ii. 207. t. 32. f. 4.

a. St. Ives, Cornwall. Presented by Dr. Boase.

b, c. Britain.

d, e. Scotland.

f—h. Romney.

i—v. Britain.

q—*e e*. Bell Rock. Presented by Dr. Leach.
f f (group of young in sea-weed). Britain. Presented by Mrs. Robinson.
g g—*k k*. Britain.
l l (groups of young). Falmouth. Presented by W. P. Cocks, Esq.
m m—*t t*. Scarborough.
u u—*x x*. Britain.
y y—*d d d*. Ditto.
e e e—*j j j*. Ditto.
k k k—*m m m*. Scotland. Presented by Miss E. Greville.
n n n. Falmouth. Presented by W. P. Cocks, Esq.
o o o—*q q q*. Hastings. Presented by Mrs. Robinson.
r r r—*t t t*. Belfast. Presented by W. Thompson, Esq.
u u u—*z z z*. Britain.
a a a a (groups congregated together). Whitley, Northumberland.

2. Volsella.

Volsella, *Scopoli, Int. H. N.* 397, 1777; *Gray, Proc. Z. Soc.* 1847, 198. n. 717.
Modiola, *Lamk. Prod.* 1799; *Syst.* 113, 1801; *Ann. Mus.* vi. 119, 1805; *Hist.* vi. 109, 1819, ed. 2. vii. 15; *Cuvier, Anat. Comp.* 1808; *R. A.* 1817; *Leach, Zool. Misc.* ii. 31, 1815; *Sow. Man.* ed. 2. 190; *Forbes & Hanley, Brit. Moll.* ii. 181; *Swainson, Malac.* 1840.
Modiolus, *Risso, Eur. Merid.* 1826; *Fleming, B. A.* 412, 1828; *Forbes, Malac. Mon.* 43, 1838; not *Llwyd.*
Mytilus *β*, *Schumacher, N. Syst.* 1817.
Mytilus *a*, *Blainville, Malac.*
Callitriche and Callitrichoderma, part., *Poli, Test. Sicil.*
Tamarindiformes, *Meuschen, Mus. Gevers.* 1787.
Musculus, sp., *Bolten, Mus.* 110.
Perna (lutat), part., *Adans. Seneg.*
Amydalum (arborescens), *Megerle*, 1811.

1. Volsella modiolus.

Mytilus modiolus, *Linn. S. N.* ed. 12. 1158; *Penn. Brit. Zool.* ed. 4. iv. 96. t. 66. f. 77; *Mont. T. B.* 163; *Mat. & Rack. Linn. Trans.* viii. 107; *Dorset Cat.* 40; *Da Costa, B. C.* 219. t. 15. f. 5; *Don. B. S.* i. t. 23; *Pulteney Hutchins' Dorset*, 38; *Brown, Ill. C.* t. 29. f. 1–6, ed. 2. 77; *Flem. Edin. Enc.* vii. t. 203. f. 22; *Laskey, Mem. Wern. Soc.* i. 392; *Chemn. Conch. Cab.* viii. 178 (not t. 85. f. 757); *Müll. Zool. Dan.* t. 53; *Dillw. Rec. Shells*, i. 314; *Ind. Test.* t. 12. f. 31.
Modiola modiolus, *Turt. B. Biv.* 199. t. 15. f. 3; *Thorpe, B. M.*

C. 107; *Gould, Inv. Mass.* 123; *Hanley, Rec. Shells*, i. 233. t. 12. f. 31–49; *Forbes & Hanley, Brit. Moll.* ii. 182. t. 44. f. 1, 2.

Mytilus barbatus, *Pulteney Hutchins' Dorset*, 38 (not *Linn.*); *Donov. B. S.* ii. t. 70; *Mont. T. B.* 161; *Mat. & Rack. Dorset Cat.* 40. t. 12. f. 5 (right).

Modiola barbata, *Macgilliv. Moll. Aberd.* 237.

Mytilus rusticus, *Soland. MSS. Humph. Cat.* 43.

Callitriche flava=Callitrichoderma barbata, *Poli*, ii. 254, 259.

Modiola Papuana, *Lamk. Hist.* 2nd ed. vii. 18 (part.); *Brown, Ill. C. G. B.* 77. t. 27. f. 1–4; *Leach, Zool. Miscell.* ii. 33; *Say, Amer. Conch.* t. 45; *Blainv. Man. Malac.* t. 64. f. 3?

Modiola vulgaris, *Flem. B. A.* 412; *Hanley, Thorpe, M. Conch.* xxix.; *Alder, Cat. North. Moll.* 81; *Forbes, M. G. S.* i. 419. 75; *Lovèn, I. M.* 33. no. 251; *Woodarch, Conchol.* ed. 2. t. 1. f. 10.

Mytilus Papuanus, *Desh. E. M. Vers*, ii. 564. t. 219. f. 1.

Mytilus curtus, *Penn. B. Z.* iv. 96. t. 64. f. 76 *a.* (half-grown).

Var. (distorted), Mytilus umbilicatus, *Penn. B. Z.* t. 65. f. 76; *Mat. & Rack. Linn. Trans.* viii. 109; *Don. B. S.* t. 40; *Mont. T. B.* 164, *Supp.* 71; *Ind. Test.* t. 12. f. 49.

Mytilus curvirostratus, *Da Costa, B. C.* 220.

Lister, Conch. t. 1057. f. 5.

a. Orkney.

b—e. Salcombe.

f., *g—i.*, *j.*, *k—r.* } Britain.

s—x (young). Britain.

2. Volsella barbata.

Mytilus barbatus, *Linn. S. N.* ed. 12. 1156 (from type); *Faun. Suec.*; *Poli, Test. Sic.* ii. 210. t. 32. f. 6, 7.

Modiola barbata, *Lamk. Hist.* 2nd ed. vii. 22; *Philippi, Moll. Sic.* i. 70, ii. 50; *Hanley, Rec. Shells*, i. 233; *Forbes & Hanley, Brit. Moll.* ii. 190. t. 44. f. 4.

Modiola Gibsii, *Leach, Zool. Misc.* ii. 34. t. 72. f. 2; *Turt. Biv.* 200; *Flem. B. A.* 413; *Brown, Ill. C.* t. 29. f. 7, ed. 2. 78. t. 27. f. 7; *Thorpe, Mar. Conch.* 107.

a—h. Tenby.

i—l. Britain. Presented by Mrs. Robinson.

3. Volsella Tulipa.

Modiola tulipa, *Lamk. Hist.* ed. 2. vii. 19 (part.); *Sow. Gen. Shells, Modiol.* f. 5?; *Philippi, Moll. Sic.* i. 69, ii. 50; *Sow.*

Conch. Man. f. 160?; *Reeve, Conch. Syst.* i. 101. f. 5?; *Thompson, Rep. Brit. Assoc.* 1843, 260; *Forbes & Hanley, Brit. Moll.* ii. 187. t. 45. f. 7, t. 48. f. 6, & t. Q. f. 6 (animal).

? Mytilus modiolus, *Chemn. Conch. Cab.* viii. t. 58. f. 758.

? Modiola Americana, *Leach, Zool. Miscell.* ii. 32. t. 72. f. 1.

Modiola radiata, *Brown, Ill. C. G. B.* t. 29. f. 5, 6; *Thorpe, Brit. Mar. Conch.* 249. f. 104.

M. Papuana (young), *Brown, Ill. Conch. G. B.* 77. t. 27. f. 5, 6. *Lister, Hist. Conch.* t. 359. f. 198?; *Knorr, Delices des Yeux*, pt. iv. t. 15. f. 3?

a, b. Britain.

4. VOLSELLA PHASEOLINA.

Modiola phaseolina, *Philippi, Moll. Sicil.* ii. 51. t. 15. f. 14; *Jeffreys, Ann. & Mag. N. H.* 1847, xix. 313; *Forbes & Hanley, Brit. Moll.* ii. 186. t. 44. f. 3.

Modiola modiolus, jun., *Clark, Ann. & Mag. N. H.* 1850.

Inhab. Scotland. *M'Andrew; Thomas.*

5. VOLSELLA BALLII.

Modiola Ballii, *Brown, Illust. C. G. B.* (ed. 2.) 132. t. 37. f. 36? t. 42. f. 34, 35?; *Forbes & Hanley, Brit. Moll.* ii. 192.

Modiola, n. s., *Thompson, Rep. Brit. Assoc.*

? Modiola agglutinans, *Cantraine, Bull. Acad. S. N. Brux.* 1835, ii. 398.

? Modiola vestita, *Philippi, Moll. Sicil.* ii. 51. t. 15. f. 12, 1844; *Thompson, Ann. Nat. Hist.* xv. 318.

Inhab. Ireland. Imbedded in Sponge; *Ball.*

3. CRENELLA.

Crenella (Mytilus crenatus), *Brown, Ill. Conch. G. B.*; *Gray, Syn. B. M.* 1842, 92; *Proc. Z. S.* 1847, 199; *Macgilliv. Moll. Aberd.*; *Alder, Cat. Moll. North.*; *Lovèn, I. M.*; *Forbes & Hanley, Brit. Moll.* ii.; *King, Ann. N. H.* xviii.

Mytilus, sp., *Linn. S. N.*; *Montagu, T. B.*; *Turt. Conch. Dict.*; *Flem. Brit. An.*; *Brown, Ill. C. G. B.*; *Schroeter, Einleit.*; *Dillw. R. S.*; *Lovèn, I. M.*

Modiola, sp., *Lamk. Hist.*; *Hanley, Conch. Text-Book*; *Recent Shells*; *Brit. Mar. Conch.*; *Totten, Sillim. Journ.*; *Gould, Invert. Mass.*; *Menke, Cat.*; *Sow. Gen.*; *Philippi, Zeitsch. Mal.*; *Turt. Brit. Biv.*

Pectunculina, *D'Orb.* 1844.

Lanistina, *Gray, Proc. Z. S.* 1847, 199.

Lanistis, *Swainson*, 1840 (not *Montf.*).

Modiolaria, "*Beck*," *Lovèn, I. M.* 1846.

Modiolarca, *Gray, Syn. B. M.* 1842, 92; *Proc. Z. S.* 1847, 199.

* CRENELLA.

1. CRENELLA DECUSSATA.

Mytilus decussatus, *Mont. T. B. Supp.* 69 (not *Lamk.*); *Laskey, Wern. Mem.* i. 394. t. 8. f. 17; *Turton, Conch. Dict.* 114; *Flem. B. An.* 411.

Modiola decussata, *Hanley (Thorpe), M. Conch.* 29. f. 1.

Crenella elliptica, *Brown, Conch. Text-Book,* 143. t. 18. f. 13; *Ill. C.* t. 23. f. 12–14, ed. 2. 75; *Jeffreys, Malac. Mag.* 49.

Modiola cicercula, *Möller, I. Moll. Græn.* 19; *Hanley, Rec. Shells,* i. 243.

? Modiola glandula, *Totten, Silliman's Journ.* xxvi. 367. f. 3; *Gould, Invert. Mass.* 131. f. 87; *Hanley, Rec. Shells,* i. 243.

Crenella decussata, *Macgilliv. Moll. Aberd.* 229; *Thorpe, Brit. Mar. Conch.* f. 5; *Alder, Cat. Moll. North.* 82; *Lovèn, I. M.* 32. no. 246; *Forbes & Hanley, Brit. Moll.* ii. 210. t. 45. f. 2; *King, Ann. N. H.* xviii. 238.

Modiola faba, *Thorpe, Brit. Mar. Conch.* 248 (not Mytilus faba, *O. Fabric.*).

a—t. Zetland. Presented by R. M'Andrew, Esq.
u—a a. Scotland.

** LANISTINA.

2. CRENELLA DISCORS.

Mytilus discors, *Linn. S. N.* ed. 12. 1159 (from type, fide *Forbes & Hanl.*); *Lovèn, Ind. Moll. Skand.* 33.

M. discors β, *Mat. & Rack. Linn. Trans.* viii. 111. t. 3. f. 9.

Modiolaria discors, *Lovèn, I. M.* 33. n. 247.

Mytilus discrepans, *Mont. T. B.* 169 (not *Supp.*); *Turt. Conch. Dict.* 112; *Brit. Faun.* 164. no. 315; *Dillw. Rec. Shells,* i. 319.

Modiola discrepans, *Lamk. Hist.* 2nd ed. vii. 23; *Turt. B. Biv.* 202; *Forbes, Mal. Monens.* 44; *Thorpe, Brit. Mar. Conch.* 108; *Ald. Cat. North. Moll.* 81; *Gould, Inv. Mass.* 129. f. 83; *Hanley, Rec. Shells,* i. 242.

? Modiola minuta (frv), *Couch, Corn. Faun.* ii. 33 (not described); *Brown, Ill. C. G. B.* t. 39. f. 36 (unnamed).

Crenella discors, *Forbes & Hanley, Brit. Moll.* ii. 195. t. 45. f. 5, 6, & t. 48. f. 5.

a, b. Sunderland.

3. CRENELLA MARMORATA.

Mytilus discors, *Mont. T. B.* 167 (not *Linn.* nor *Fabric.*); *Da Costa, B. S.* 221. t. 17. f. 1; *Don. B. S.* i. t. 25. f. 1; *Mat. & Rack. Linn. Trans.* viii. 111 (not var.), t. 3. f. 8; *Pulteney*

Hutch. Dors. 38; *Ind. Test.* t. 12. f. 39; *Poli, Test. Sic.* ii. 211. t. 32. f. 15; *Laskey, Mem. Wern. Soc.* i. 393; *Dorset Cat.* 40. t. 2. f. 1; *Turt. Conch. Dict.* 112; *Brit. Faun.* 164. no. 314; *Dillw. Rec. Shells*, i. 319; *Mawe, Conchol.* t. 13. f. 5.

Modiola discors, *Turt. Biv.* 201. t. 15. f. 4, 5 (not *Lamk.* nor *Gould*); *Flem. B. An.* 413; *Macgilliv. Moll. Aberd.* 239; *Thorpe, Brit. Mar. Conch.* 108.

Mytilus discrepans, *Desh. E. M. Vers*, ii. 567.

Modiola discrepans, *Philippi, Moll. Sic.* i. 70, ii. 50. t. 15. f. 11.

Modiola marmorata, *Forbes, Malac. Monens.* 44; *Jeffreys, Mag. Conch.* 41; *Brown, Ill. C. G. B.* 78. t. 27. f. 10; *Thomps. Rep. Brit. Assoc.* 1843, 261.

Mod. europæa, *D'Orbig. Mus. Paris.*

Mod. tumida, *Hanley, Rec. Shells*, i. 241. t. 12. f. 39.

Mod. Poliana, *Philippi, Zeitsch. Malak.* 1844, 101 (from type).

Crenella marmorata, *Forbes & Hanley, Brit. Moll.* ii. 198. t. 45. f. 4.

a—d. Sunderland.
e—h. Oban.
i—w. Britain.
x—b b (jun.). Ditto.

4. CRENELLA COSTULATA.

Modiola costulata, *Risso, Hist. Nat. Eur. Mer.* iv. 324. f. 165 (fide *Philippi*); *Jeffreys, Ann. Nat. Hist.* xix. 313; *Philippi, Moll. Sic.* ii. (not i.) 50. t. 15. f. 10 (not *D'Orbign. Moll. Canar.* nor *Hanley, Recent Shells*, i. 240).

Crenella costulata, *Forbes & Hanley, Brit. Moll.* ii. 205. t. 45. f. 1.

Inhab. Exmouth, *Clark.* Cornwall, *Alder*, &c.

5. CRENELLA NIGRA.

Modiola nigra, *Gray, App. Parry's Voy. N. Pole*, adult; *Thorpe, M. Conch.* 249. f. 5, jun.; *Alder, Cat. Moll. North.* 81; *Hanley, Rec. Shells*, i. 242. t. 12. f. 38.

Mytilus discors, var., *Chemn. Conch. Cab.* viii. 195. t. 86. f. 767; *Schröter, Einleit. Conch.* iii. t. 9. f. 15; var. *Suecicus, O. Fabricius, Danske Videns. Selsk. Nye Samm.* 1788, 460 (part.).

Mytilus discrepans, *Mont. T. B. Supp.* 65. t. 26. f. 4 (not 169); *Ind. Test.* t. 12. f. 38; *Leach, App. Ross's Voy.* 176; *Zool. Miscell.* ii. 36; *M. & R. Linn. Trans.* viii. 111. t. 3. f. 9.

Modiola discrepans, *Leach, Ross's Voy.* 176; *Flem. B. An.* 413; *Turt. Biv.* 202; *Macgilliv. Moll. Aberd.* 238; *Brown, Ill. C. G. B.* 78. t. 27. f. 8; *Sow. Gen. Shells, Modiola*, f. 3; *Reeve, Conch. Syst.* t. 100. f. 3; *Philippi, Zeitsch.* 1844, 102.

? Mod. nexa, *Gould.*

Mod. compressa, *Menke, Cat. Conch. Malsburg.*

Mod. depressa, *Hanley, Rec. Shells*, i. 242, note.
Modiolaria nigra, *Lovèn, I. M.* 33. n. 249.
Crenella nigra, *King, Ann. N. H.* xviii. 239; *Forbes & Hanley, Brit. Moll.* ii. 202. t. 44. f. 5, & t. Q. f. 7, animal.
a—*e*. Black Rocks, Leith.
d—*k*. Britain.
l—*y*, jun. Britain.
z—*e.e*, jun. Sunderland.

*** ——.

6. CRENELLA PRIDEAUXIANA.

Modiola Prideauxiana, *Leach, Zool. Misc.* ii. 35; *Brown, Ill. C.* t. 29. f. 9, ed. 2. t. 27. f. 9.
Modiola rhombea, *Berkeley, Zool. Journ.* iii. 229; *Supp.* t. 18. f. 1; *Thorpe, Brit. Mar. Conch.* 107; *Brown, Ill. Conch.* ed. 2. 78. t. 39. f. 17.
Crenella rhombea, *Forbes & Hanley, Brit. Moll.* ii. 208. t. 45. f. 3.
Modiola costulata, *Philippi, Sic.* 70. t. 5. f. 1; not *Philippi*, ii. 50, nor *Risso*.
Mod. Petagnæ, *Scacchi*; *Philippi*, ii. 51.
a—*d*. Coast of Devonshire. Presented by — Prideaux, Esq.
e. Weymouth. Presented by the Rev. M. J. Berkeley.

Fam. 2. DREISSENIDÆ.

Dreissenadæ, *Gray, Turton Man.* ed. 2. 299.
Dreissenidæ, *Gray, Syn. B. M.* 1840; 1842, 82, 91; *Proc. Zool. Soc.* 1847, 199.
Mytilaces, part., *Rang, Man.* 290.
Mytilacea, part., *Anton, Verz. Conch.* 12.
Chamaceæ, part., *Herrmannsen, Ind.* 409.

1. DREISSENA.

Dreissena, *Van Beneden, Ann. Sci. Nat.* 1835; *Gray, Turton's Man. Land & Freshwater Shells*, 300; *Syn. B. M.* 1840; 1842, 82, 92; *Proc. Z. S.* 1847, 199; *Forbes & Hanley, Brit. Moll.* ii.
Driessena, *Brown, Ill. C. G. B.*
Mytilina or Mytulina, *Cantraine*, 1835.
Trichogonia, *Rossmasler, Icon.* 1835.
Cælogonia, *Bronn.*
Mytilus β, *Rang, Man.*; *Megerle, Entw.* 1811.
Mytilus, sp., *Schröter, Einleit.*; *Sow. Gen.*; *Lamk. Hist.* ed. 2. vii.
Dythalmia, *Jay.*

1. DREISSENA POLYMORPHA.

Mytilus Volgæ, *Chemn.* xi. 256. t. 205. f. 2028.
Myt. polymorphus, *Pallas, Voy. Russ.* i. 478, *App.* 211; *Schröter,*

Einleit. Conch. iii. 471; *Gmelin, Syst. Nat.* 3363; *Reeve, Conch. Syst.* i. 102. f. 4; *Hanley, Rec. Shells*, i. 250, *Supp.* t. 2, *Myt.* f. 6; *Sow. Gen. Shells, Mytilus*, f. 4; *Trans. Linn. Soc.* xiv. 585; *Zool. Journ.* i. 584; *Féruss. Bull. Sc. Nat.* 1826, 142; *Ind. Test. Supp.* t. 2, *Mytilus*, f. 6; *Lamk.* 2nd ed. vii. 50.

Myt. Chemnitzii, *Férussac.*

Myt. lineatus, *Haardenburg, Moll. Belgic.*

Myt. arca, *Kickx, Descript. nouv. esp. de Moule*, 1834.

Myt.? Volgensis, *Gray, Ann. Phil.* 1825, 139.

Myt. Hagenii, *Baer, Isis*, 1826, pt. v. 525; *Féruss. Bull. Sci. Nat.* i. 826. 140.

Myt. Toreyi, *Stenz.*

Trichogonia Chemnitzii, *Rossm. Icon.* i. 113. t. 3. f. 69.

Dreissena polymorpha, *Van Beneden, Ann. Sci. Nat.* 1835, 210. t. 8. f. 1–11; *Strickland, Mag. Nat. Hist.* 1838, 361; *Gray, Man. L. & F. W. Shells*, 300; *Brown, Ill. Con. G. B.* 76. t. 29. f. 4–9; *Forbes & Hanley, Brit. Moll.* ii. 165. t. 42. f. 4–5, & t. Q. f. 4, animal.

a—f. Commercial Docks. Presented by G. B. Sowerby, Esq.

g—n. Warwickshire. Presented by Mrs. Corrie.

o—q. Britain. Presented by F. Sanders, Esq.

r—t. Ditto.

u, x. River Soar, Leicester. Presented by W. Drake, Esq.

y—h h. Regent's Canal.

i i, k k. Union Canal, near Edinburgh. Presented by A. White, Esq.

l l (group of young attached to a stone). Canal near Birmingham. Presented by Miss Theodosia Maurice.

m m—z z (young). Britain.

Fam. 3. PINNIDÆ.

Pinnidæ, *Gray, Syn. B. M.* 1840; 1842, 82, 91; *Proc. Zool. Soc.* 1847, 199.

Pinnadæ, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272.

Pinnacea, *Sismond. Syn. An. Invert.* 1842.

Pinnina, *Agass. Nomen. Ind.*

Chimæra and Chimæroderma, *Poli, Moll. Sicil.*

Byssifères, part., *Lamk. Cour.* 105.

Mytilacées, part., *Lamk. Hist.* vi. 129.

Mytilacea, part., *Anton, Verz. Conch.* 12.

Mytilacés, *Cuvier, R. A.*; *Rang, Man. Moll.* 292; *Féruss. Prod.* 42.

Aviculacea, part., *Menke, Syn.* 102, 1830.

Mytilina, part., *Macgilliv. Moll. Aberd.* 206.
Perna, *Plin. H. Nat.* lib. 32. cap. 54; *Aldrov.* lib. 3. cap. 76.
Perna, part., *Adanson, Seneg.* 207, 1757.

1. Pinna.

Pinna, *Linn. S. N.* ed. 10 & 12; *Lamk. Ext. Cours*, 1801; *Hist. A. s. V.*; *Cuv. R. An.*; *Sow. Gen.*; *Swains. Malac.* 1840; *Gray, Syn. B. M.* 1840; 1842, 83, 92; *Proc. Z. S.* 1847, 199.
Chimæra and Chimæroderma, *Poli, Test. Sic.* 1792.
Mya, sp., *Scopoli*, 1777.
Perna (Apan), *Adanson, Senegal*, 1757.
Musculus, s. Mutilus, sp., *D'Argenv.*
Pinnula, Curvula and Oxysma, *Rafinesque.*

1. Pinna pectinata.

Pinna pectinata, *Linn. S. N.* ed. 12. 1160; *Lamk. Hist.* 2nd ed. vii. 64 (part.); *Chemn.* f. 770; *Dillw. Rec. Shells*, i. 325; *Mawe, Conchol.* t. 17. f. 1; *Hanley, Rec. Shells*, i. 253; *Flem. B. An.* 406; *Pulteney, Dorset.* 39; *Mont. T. B.* 178; *Dorset Cat.* 41. t. 3. f. 3; *Turt. Conch. Dict.* 148. f. 11; *Brit. Faun.* 165; *Brit. Bivalves*, t. 19. f. 1; *Mat. & Rack. Linn. Trans.* viii. 113; *Forbes & Hanley, Brit. Moll.* ii. 255. t. 43. f. 1, 2. t. 43. f. 8.
Pinna fragilis, *Penn. B. Zool.* iv. 97. no. 80. t. 69. f. 80; *Turt. B. Biv.* 222. t. 20. f. 2; *Flem. B. An.* 406; *Thorpe, Brit. Mar. Conch.* 111; *Brown, Ill. C. G. B.* 75. t. 26. f. 3.
Pinna ingens, *Penn. Brit. Zool.* n. 81; *Mont. T. B.* 180–583, & *Supp.* 72; *Mat. & Rack. Linn. Trans.* viii. 113; *Flem. Edinb. Enc.* vii. t. 206. f. 3; *Brit. An.* 406; *Brown, Ill. Conch. G. B.* 75. t. 26. f. 1; *Dillw. Rec. Shells*, i. 325; *Ind. Test.* t. 12, *Pinna*, f. 3; *Hanley, Rec. Shells*, i. 253. t. 12. f. 3; *Couch, Corn. Faun.* pt. ii. 34; *Lamk. H.* no. 13; *Turton, Bivalves*, t. 20. f. 1; *Conch. Dict.* 148; *Macgilliv. Moll. Aberd.* 240; *Thorpe, Brit. Mar. Conch.* 111.
Pinna muricata, *Da Costa, B. S.* 240. t. 16. f. 3; *Don. B. S.* i. t. 10; *Mont. T. B.* 183. t. 5. f. 3; *Crouch, Intr. Conch.* t. 11. f. 4.
Pinna papyracea, *Turt. Bivalves*, 224. t. 20. f. 3; *Flem. B. An.* 407; *Thorpe, B. Mar. Conch.* 112.
Pinna elegans, *Leach, Brit. Mus.*; *Brown, Ill. C.* t. 30. f. 2, ed. 2. 76. t. 26. f. 2.
Pinna lævis, *Don. B. S.* v. t. 152, adult.
Pinna borealis, *Walker, in Elem. N. H.* ii. 381.
Pinna rotundata, *Couch, Corn. Faun.* pt. ii. 36.
Chimæra pinnarum=Chimæroderma rudis, *Poli*, ii. 253. 259.

a. Torbay. Presented by W. Comyns, Esq.
b. Falmouth Harbour. Presented by W. P. Cocks, Esq.
c, d. Cork. Presented by Miss Elliot.
e, f. Britain.
g—i. Cork Harbour. Presented by J. D. Humphreys, Esq.
j—p. Britain.
q—u. Britain.
v (with byssus). Britain.
w—z. Britain.

Fam. 4. Pteriadæ.

Pteriadæ, *Gray, Proc. Zool. Soc.* 1847, 199.
Aviculadæ, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 273; *Gray, Syn. B. M.* 1840; 1842, 83, 91.
Glaucus and Glaucoderma, *Poli, Test. Sicil.*
Byssifères, part., *Lamk. Cours*, 105; *Goldfuss, Zool.*
Byssifera, *Goldfuss, Zool.* 604, 1820.
Pernaridea and Limaridia, part., *Rafin. Anal.*
Malleacées, *Lamk. Hist.* vi. 135.
Malleacea, *Anton, Verz. Conch.* 12, 1839.
Ostracés, part., *Cuvier, R. A.*
Oxigones, *Latr. Fam. Nat.*
Margaritacea or Margaritacés, *Blainv. Man.*
Malleacées and Aviculés, *Rang, Man. Moll.* 281; *Féruss. Prod.* 41.
Aviculacea, *Menke, Syn.* 101; *Forbes & Hanley, Brit. Moll.* ii. 250.
Pectinina, part., *Macgilliv. Moll. Aberd.* 203, 222.
Pernadæ, *Fleming, B. A.* 381, 1828; *Guild. Zool. Journ.* iii. 542, 1828.
Pernoidæ, *Agassiz, Nomencl.* 1847.
Pernea, *Herrmannsen*, ii. 237.

1. Pteria.

Pteria, *Scopoli, Int. Hist. Nat.* 1777; *Gray, Proc. Zool. Soc.* 1847, 199.
Avicula, *Klein, Tent. Meth. Ostrac.* 1753; *Brug. Enc. Méth.* 1789; *Lamk. Prod.* 1799; *Syst. A. s. V.* 1801; *Swains. Malac.* 1840; *Gray, Syn. B. M.* 1840; 1842, 83, 91; *Forbes & Hanley, Brit. Moll.* ii. 251.
Margaritifera, sp., *Humph. Mus. Calon.* 1797.
Anonica, *Oken, Lehrb. Zool.* 1815.
Perna (Charon), *Adans. Seneg.* 1757.
Perlamater β, *Schum. N. Ess.* 1817.
Pinctada, § ii., *Bolten, Mus.* 1819.

1. PTERIA TARENTINA.

Mytilus Hirundo, *Linn. S. N.* 1159 (part.); *Turton, Conch. Dict.* 109. f. 7; *Poli, Test. Sic.* ii. 221. t. 32. f. 17–21; *Dillw. Rec. Shells*, i. 321, var. G.; *Mawe, Intr. Conch.* t. 16. f. 6; *Costa, Test. Sic.* 59.

Avicula Tarentina, *Lamk. Hist.* 2nd ed. vii. 99; *Hanley, Thorpe, B. M. C.* 30. f. 109; *Desh. E. M. Vers*, ii. 99; *Philippi, Moll. Sic.* i. 76, ii. 55; *Hanley, Rec. Shells*, i. 262; *Desh. Exp. Alger. Moll.* 129; *Forbes & Hanley, Brit. Moll.* ii. 251. t. 42. f. 1–3; t. S. f. 4, animal.

Avicula Hirundo, *Turt. Biv.* 220. t. 16. f. 3, 4; *Thorpe, M. C.* 113. f. 109; *Flem. B. An.* 405.

Avicula Atlantica, *Brown, Ill. C.* t. 10*. f. 6, & ed. 2. 74; not *Lamk.*

Avicula falcata, *Lamk. Hist.* 2nd ed. vii. 98 (fide *Desh.*).

Avicula anglica, *Leach, B. M.*; *Brown, Ill. C.* t. 31. f. 3, ed. 2. 74.

Avicula aculeata, *Risso*, 308 (complete); *Sow. Gen. Shells, Avicula*, f. 2?; *Reeve, Conch. Syst.* t. 109. f. 2.

Mytilus à mari Mediterraneo, *Chemn. Conch. Cab.* viii. 142. t. 81. f. 725.

E. Méth. Vers, t. 177. f. 8.

Inhab. Coast of Devon and Cornwall. Ireland.

Order V. MICROPODA.

Micropoda, *Gray, Med. Repos.* 1821, 238; *Syn. B. M.* 1840; 1842, 83; *Proc. Zool. Soc.* 1847, 200.

Conchifères monomyaires, § 2, *Lamk. Hist.* vi. 153, and dimyaires lamellipèdes, *Lamk.*

Ostracia, part., *Rafin. Anal. Nat.*

Ostracées, part., *Lamk. Ext. du Cour.* 104 (1812).

Ostracés monomyaires, *Cuvier, R. A.*; *Féruss. Prod.* 40.

Ostreæ, *Eichw. Zool. Spec.* 287.

Ostracea monomya, *Menke, Syn.* 97, 1830.

Patulipalla, *Latr. Fam. Nat.*

Fam. 1. PECTENIDÆ.

Pectenidæ, *Gray, Proc. Zool. Soc.* 1847, 200.

Pectinidæ, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Gray, Syn. B. M.* 1840; 1842, 83, 92.

Glaucus or Glaucoderma, and Argus or Argoderma, *Poli, Test. Sicil.*

Pectenia, *Rafin. Anal. Nat.* 1815.

Byssifères, part., and Ostracées, part., *Lamk. Ext. du Cour.* 104; *Cuvier, R. A.*; *Latr. Fam. Nat.*

Pectenides, *Lamk. Hist.* vi. 153; *Féruss. Prod.* 40; *Rang, Man. Moll.* 276.
Pectinea, *Menke, Syn.* 98, 1830; *Anton, Verz. Conch.* 12.
Subostracea or Subostracés, *Blainv. Man. Malac.*
Ostreadæ, part., *Forbes & Hanley, Brit. Moll.* ii.

1. Pecten.

Pecten, *Bolten*, 1798; *Lamk. Syst. A. s. V.* 1801 (part.); *Gray, Proc. Zool. Soc.* 1847, 200; *Forbes & Hanley, Brit. Moll.* ii. 272 (part.).
Pandora, *Megerle*, 1811, not *Brug.* nor *Lamk.*
Janira, *Schum. N. Ess.* 1817; *D'Orb.*; *Gray, Syn. B. M.* 1840; 1842, 84, 92.
Janera, *Sow.*
Argus, sp., *Poli, Test. Sicil.*
? Neithea, *Drouet, Ann. Soc. Linn. Par.* 1824, 183.

1. Pecten maximus.

Ostrea maxima, *Linn. S. N.* 1144; *Faun. Suec.* 520; *Dors. Cat.* 37. t. 9. f. 3; *Don. B. S.* ii. t. 49; *Pulteney Hutch. Dors.* 35; *Turt. Conch. Dict.* 128; *Mat. & Rack. Trans. Linn. Soc.* viii. 96; *Born, Mus. Cæs.* 98; *Dillw. Rec. Shells*, i. 247; *Ind. Test.* t. 10. f. 1.
Pecten maximus, *Penn. B. Zool.* ed. 4. iv. 84. t. 59. f. 61. n. 61; *Mont. T. B.* 143; *Turt. B. Biv.* 207; *Brit. Faun.* 161. no. 288; *Flem. B. An.* 383; *Thorpe, B. Mar. Conch.* 115; *Brown, Ill. C. G. B.* 71. t. 25. f. 1; *Macgilliv. Moll. Aberd.* 223; *Forbes, M. G. S.* i. 420. 77; *Lovèn, I. M.* 31. 226; *Sow. Thes. Conch.* i. 45. t. 15. f. 98–100; *Hanley, Rec. Shells*, i. 268. t. 10. f. 1; *Chemn. Conch. Cab.* vii. 268. t. 60. f. 585; *Lamk. Hist.* 2nd ed. vii. 129; *Crouch, Int. Conch.* t. 12. f. 3; *Forbes & Hanley, Brit. Moll.* ii. 296. t. 49.
Pecten vulgaris, *Da Costa, Brit. Conch.* 140. t. 9. f. 3.
P. lævis, *Macgilliv. Moll. Aberd.* 227?
Lister, Ang. t. 4. f. 29; *Conch.* t. 163. f. 1; *Knorr, Délices des Yeux*, pt. ii. t. 14. f. 1.
a, b. Britain.
c—e. Ditto.
f. Falmouth. Presented by W. P. Cocks, Esq.
g, h. Shetland Isles. Presented by B. Frend, Esq.
i. Britain.
j. Ditto.
k, l. Ditto.
m—t, jun. Britain.

2. Argus.

Argus, sp., *Poli, Test. Sic.* 1795.
Argus, *Gray, Proc. Zool. Soc.* 1847, 200.
Pecten, *Megerle, Entw.* 60, 1811; *Schum. N. Ess.* 1817; *Forbes & Hanley, Brit. Moll.* ii.; *Gray, Syn. B. M.* 1840; 1842, 83, 92.
Pecten β, *Schum. N. Ess.* 1817.
Ostrea, spi, *Linn. Syst. Nat.*
Chlamys, sp., *Bolten, Mus.* 1798.

1. Argus operecularis.

Ostrea opercularis, *Linn. S. N.* 1147; *Pulteney, Dors.* 36; *Mat. & Rack. Linn. Trans.* viii. 98; *Dorset Cat.* 38. t. 9. f. 1, 2, 4, 5; *Turt. Conch. Dict.* 129. f. 74; *Born, Mus. Cæs.* 106; *Schröter, Einleit. Conch.* iii. 317. t. 9. f. 3; *Gmel. S. N.* 3325; *Dillw. Rec. Shells*, i. 266; *Ind. Test.* t. 10. f. 43.
Pecten opercularis, *Chemn. Conch.* vii. 341. t. 67. f. 646; *Mont. T. B.* 145; *Turt. B. Biv.* 209; *Brit. Faun.* 161. no. 290; *Flem. B. An.* 383; *Alder, Cat. Moll. North.* 76; *Lamk. Hist.* 2nd ed. vi. 142; *Philippi, Moll. Sic.* i. 82, ii. 57; *Cuv. Règn. An.* ed. *Croch.* t. 75. f. 3; *Lovèn, Ind. M. Sk.* 30. no. 227; *Forbes, M. G. S.* i. 420. 78; *Macgilliv. Moll. Aberd.* 224; *Thorpe, Brit. Mar. Conch.* 115; *Brown, Ill. C. G. B.* 71. t. 24. f. 1; *Sow. Thes. Conch.* i. 53. t. 17. f. 141, 146; *Hanley, Rec. Shells*, i. 272. t. 10. f. 43; *Chenu, Ill. Conch. Pecten*, t. 29; *Forbes & Hanley, Brit. Moll.* ii. 299. t. 50. f. 3, t. 51. f. 5, 6, t. 53. f. 7.
Ostrea subrufa, *Don. B. S.* i. t. 12.
Pecten subrufus, *Penn. B. Z.* ed. 4. iv. 86. t. 60. f. 63; *Turt. Biv.* 210. t. 17. f. 1 (jun.); *Thorpe, Brit. Mar. Conch.* 116; *Sow. Thes. Conch.* i. 53. t. 19. f. 208–210.
Pecten pictus, *Da Costa*, 144. t. 9. f. 1, 2, 4, 5; *Wood, Trans. Linn. Soc.* vi. t. 18. f. 7, 8.
Pecten 20-sulcatus, *Müller, Z. D.*
Ostrea lineata, *Pult. Dors.* 36; *Don. B. S.* iv. t. 116; *Mat. & Rack. Linn. Trans.* viii. 99; *Dors. Cat.* 38. t. 10. f. 8; *Dillw. Rec. Shells*, i. 267; *Ind. Test.* t. 10. f. 44.
Pecten lineatus, *Da Costa*, 147. t. 10. f. 8; *Mont. T. B.* 147, 579; *Flem. B. An.* 353; *Turton, Brit. Faun.* 161. no. 291; *Lamk. Hist.* 2nd ed. vi. 143.
Pecten carinatus, *Soland. Mus. Port.*
Ostrea sanguinea, *Poli, Test. Sic.* t. 28. f. 7, 8.
Pecten sanguineus, *Costa, Test. Sic.* 50.
Pecten Audouini, *Payr.* 77. t. 2. f. 8, 9; *Hanley, Rec. Shells*, i. 273.
Pecten plebeius and P. sulcatus, *J. Sow. M. C.* t. 393.

Peigne operculaire, *Chenu, Traité Elem.* 101. t. 339.

Pecten Macgillivrai, *Edmonston, Ann. & Mag. N. H.* xv. 250 (worn shell, fide *Jeffreys, Forbes & Hanley, l. c.* ii. 302).

List. Ang. t. 5. f. 30; *Conch.* t. 190. f. 27, 28; *Knorr, Délices des Yeux*, pt. v. t. 28. f. 4.

a—m, red-coloured, various.	Britain.
n, o, ditto.	Ditto.
p—r, ditto.	Ditto.
s—u, ditto.	Ditto.
v—y, ditto.	Ditto.
z—b b, ditto.	Ditto.
c c—f f, orange-coloured.	Ditto.
g g, *h h*, ditto.	Ditto.
i i, *j j*, straw-coloured.	Ditto.
k k—p p, rayed.	Ditto.
q q—u u, light-coloured.	Ditto.
v v, *w w*, white.	Ditto.
x x—h h h (Pecten lineatus).	Ditto.
i i i (ditto).	Falmouth. Presented by W. P. Cocks, Esq.

2. ARGUS VARIUS.

Ostrea varia, *Linn. S. N.* ed. 12. 1146; *Pulteney Hutch. Dors.* 36; *Donov. B. S.* i. t. 1. f. 1; *Mat. & Rack. Linn. Trans.* viii. 97; *Dorset Cat.* 38. t. 10. f. 1, 2, 4, 5, 7, 9; *Turt. Conch. Dict.* 130; *Born, Mus. Cæs.* 104; *Poli, Test. Sic.* ii. 163. t. 28. f. 10; *Dillw. Rec. Shells*, i. 260; *Mawe, Conchol.* t. 14. f. 4; *Ind. Test.* t. 10. f. 31.

Pecten varius, *Chemn. Conch. Cab.* vii. 331. t. 66. f. 633, 634; *Mont. T. B.* 146; *Penn. B. Z.* ed. 4. iv. 86. t. 61. f. 64; *Turt. B. Biv.* 214; *Brit. Faun.* 162. no. 294; *Flem. B. An.* 384; *Macgilliv. Moll. Aberd.* 224; *Thorpe, Brit. Mar. Conch.* 118; *Lamk. Hist.* 2nd ed. vii. 147; *Crouch, Intr. Conch.* t. 12. f. 4; *Sow. Conch. Man.* f. 171; *Philippi, Moll. Sic.* i. 84 & ii. 58; *Sow. Thes. Conch.* i. 76. t. 19. f. 214–218; *Hanley, Rec. Shells*, i. 285. t. 10. f. 31; *Lovèn, Ind. Moll. Sk.* 30. 229; *Forbes, M. G. S.* i. 420. 79; *Forbes & Hanley, Brit. Moll.* ii. 273. t. 50. f. 1.

P. monotis, *Da Costa, B. C.* 151. t. 10. f. 1, 2, 4, 5, 7, 9.

Lister, Conch. t. 178. f. 17, 18; *An. Ang.* t. 4. f. 30; *Knorr, Délices des Yeux*, pt. v. t. 13. f. 2, pt. vi. t. 9. f. 4.

a—f, dark-coloured.	Britain.
g—l, ditto.	Ditto.
m—t, red-coloured.	Ditto.
u—w, orange-coloured.	Ditto.
x, light pink.	Ditto.
y, dark pink.	Ditto.
z, jun.	Falmouth. Presented by W. P. Cocks, Esq.

3. ARGUS NIVEUS.

Pecten niveus, *Macgilliv. Edinb. Phil. Journ.* xiii. 1825, 166. t. 3. f. 1; *Flem. B. An.* 384; *Thorpe, M. Conch.* 250; *Brown, Ill. C.* t. 34. f. 16, 17, 2nd ed. 74. t. 24. f. 16; *Sow. Thes.* i. 77, *Pecten*, t. 19. f. 223, 224; *Forbes & Hanley, Brit. Moll.* ii. 276. t. 50. f. 2, & t. S. f. 3 (animal).

a—d. Inverary.

e. Hebrides. Presented by W. Nichol, Esq.

4. ARGUS DANICUS.

Pecten septem-radiatus, *Müller, Z. Dan. Prod.* no. 2992 (fide *Lovèn*); *Lovèn, I. M.* 31, 323.

Pecten triradiatus, *Müll. Z. Dan.* ii. 25. t. 60. f. 1, 2 (fide *Lovèn & Chemn.*); *Forbes, M. G. S.* i. 420. 81.

Pseud-amusium, *Chemn.* (not *Klein*) *Conch. Cab.* vii. 298. t. 63. f. 601, 602.

Ostrea hybrida, *Gmel. S. N.* 3318 (not *Synon.*) from *Chemn.* f. 601.

Ostrea triradiata, *Gmel. S. N.* 3326; *Dillw. Rec. Shells*, i. 264 (from *Müller*).

Ostrea septemradiata, *Gmel. S. N.* 3327 (from *Müller*).

Pecten Danicus, *Chemn. Conch. Cab.* xi. 265. t. 207. f. 2043; *Sow. Thes. Conch.* i. 61. t. 12. f. 16, t. 17. f. 187; *Hanley, Rec. Shells*, i. 277; *Forbes & Hanley, Brit. Moll.* ii. 288. t. 52. f. 1, 2, 7–10.

Ostrea inflexa, *Poli, Test. Sic.* ii. 160. t. 28. f. 4, 5?

Ostrea elevata, *Poli, l. c.* i. 161. t. 28. f. 17?

Ostrea corallina, *Poli, l. c.* ii. 164. t. 28. f. 16?; *Costa, Test. Sic.* 51?; *Dillw. R. Shells*, i. 255 (from *Poli*).

Pecten adspersus, *Lamk. Hist.* 2nd ed. vii. 136 = *E. M.* t. 212. f. 6; *Jeffreys, Ann. N. Hist.* xix. 313; *Philippi, Moll. Sic.* i. 82, ii. 57.

P. pes-felis, *Lamk. Hist.* 2nd ed. vii. 140 (part.); *Jeffreys, Ann. N. Hist.* xix. 313; *Philippi, Moll. Sic.* i. 84, ii. 58? (not *Synon.*); *Forbes, Rep. Brit. Assoc.* 1845, ii. 66.

Pecten glaber, *Mont. T. B. Supp.* 60; *Penn. B. Z.* ed. 4. iv. 87. no. 68; *Turt. B. Biv.* 211; *Brit. Faun.* 162. no. 293; *Thorpe, B. M. Conch.* 117; *Flem. B. An.* 384; *Brown, Ill. Conch. G. B.* 73. t. 25. f. 3, 4.

Ostrea glabra, *Turt.* (not *Linn.*) *Conch. Dict.* 132.

Pecten Dumasii, *Payraud. Cat. Moll. Corse*, 75. t. 2. f. 6, 7; *Jeffreys, Ann. N. Hist.* xix. 313.

Pecten nebulosus, *Brown, Edin. Journ. N. Hist.* 1835, i. 9. f. 1; *Ill. C. G. B.* 72. t. 22. f. 17.

P. Jamesoni, *Smith, Mem. Wern.* viii. 106. t. 2. f. 1; *Brown, Ill. C. G. B.* 73. t. 25. f. 7.

a. Loch Fyne. Presented by the Rev. D. Landsborough.
b—*i*. Inverary.
j—*l*. Loch Fyne. Presented by J. Blythe, Esq.
m—*o* (Pecten septemradiatus). Scotland.
p—*t* (jun.). Loch Fyne.

5. ARGUS TIGRINUS.

Pecten tigrinus, *Müller, Z. D.* t. 60. f. 6-8; *Desh. Lamk. Hist.* 2nd ed. vii. 155; *Alder, Cat. Moll. North.* 77; *Lovèn, I. M.* 31. n. 233; *Forbes & Hanley, Brit. Moll.* ii. 285. t. 51. f. 8–11.

Pecten obsoletus, *Penn. B. Z.* ed. 4. iv. 87. no. 66. t. 61. f. 66; *Turt. B. Biv.* 213. t. 9. f. 6; *Brit. Faun.* 162. no. 295; *Don. B. S.* i. t. 1. f. 2; *Mont. T. B.* 149, *& Supp.* 57; *Flem. B. An.* 385; *Macgilliv. Moll. Aberd.* 226; *Thorpe, B. Mar. Conch.* 118; *Brown, Ill. C. G. B.* 72. t. 24. f. 6; *Sow. Thes. Conch.* i. 71. t. 14. f. 74, 75, 79; *Hanley, Rec. Shells,* i. 282. t. 10. f. 37.

Ostrea obsoleta, *Mat. & Rack. Linn. Trans.* viii. 100; *Turt. Conch. Dict.* 133; *Dillw. Rec. Shells,* i. 263; *Ind. Test.* t. 10. f. 37; *Mawe, Conchol.* t. 14. f. 6.

Ostrea tigrina, *Gmel. S. N.* 3327; *Dillw. Reo. Shells,* i. 258; *Ind. Test.* t. 10. f. 26.

Pecten parvus, *Da Costa, B. C.* 155.

Ostrea lævis, *Mont. T. B.* 150; *Mat. & Rack. Linn. Trans.* viii. 100. t. 3. f. 5; *Dillw. Rec. Shells,* i. 263; *Ind. Test.* t. 10. f. 38.

Pecten domesticus, *Chemn.* xi. 261. f. 2031–2036.

Pecten lævis, *Penn. B. Z.* ed. 4. iv. 87. no. 67; *Mont. Test. Brit.* (not *Supp.*) 150, 579. t. 4. f. 1; *Turt. B. Biv.* 212; *Brit. Faun.* 162. no. 296; *Thorpe, Brit. Mar. Conch.* 117; *Brown, Ill. C. G. B.* 72. t. 24. f. 7.

Pecten Armoricanus, *Chenu, Ill. Conch. Pecten,* t. 39. f. 1–3.
a, b. Weymouth.
c—*j*. Tynemouth. Presented by C. Adamson, Esq.
k—*d d*. Britain.
e e—*t t* (odd valves). Coast of Cornwall. Presented by Mrs. Bayter.
u u—*w w*, var. Loch Fyne. Presented by R. M'Andrew, Esq.

6. ARGUS STRIATUS.

Pecten striatus, *Müller, Zool. Dan.* t. 60. f. 3–5; *Jeffreys, Ann. N. H.* xix. 313; *Ald. Cat. Moll. North.* 77; *Lovèn, I. M.* 31. n. 235; *King, Ann. N. H.* xviii. 238; *Forbes & Hanley, Brit. Moll.* ii. 281. t. 51. f. 1–4, & t. S. f. 2, animal.

Ostrea fuci, *Gmelin, S. N.* 3327; *Dillw. Rec. Shells,* i. 258; *Ind. Test.* t. 10. f. 27?; *Chemn. Conch. Cab.* xi. 263. t. 207. f. 2039, 2040.

Pecten aculeatus, *Jeffreys, Conch. Mag.* i. 40 (not described); *Sow. Thes. Conch.* i. 71, *Pecten*, t. 13. f. 47; *Thorpe, Mar. Conch.* 249. f. 30.
Pecten vitreus *β*, var., *Gmelin.*
Pecten rimulosus, *Philippi, Sicil.* ii. 60 (fossil?).
Pecten spinosus, *Johnston, Trans. Berw. N. C.*
Pecten similis, *Laskey, Wern. Trans.* i. t. 8. f. 8; *Brown, Ill. C.* t. 32. f. 56.
Pect. fuci, *Thompson, Ann. Nat. Hist.* xviii. 385.
P. Landsburgi, *Smith, Wern. Mem.* viii. 106. 58. t. 2. f. 2; *Hanley, Rec. Shells*, i. 282; *Brown, Ill. C.* ed. 2. 73. t. 25. f. 8.
Pallium vitreum (part.), *Chemn. Conch. Cab.* vii. 335. t. 67. f. 637 *b, c.*
a. Hebrides. Presented by R. M'Andrew, Esq.
b—d. Oban.
e. Loch Carron, Ross-shire. Presented by J. G. Jeffreys, Esq.
f—i. Scotland.
j, k (Pecten furtivus, *MSS.*?). Scotland.

7. ARGUS SIMILIS.

Pecten similis, *Laskey, Mem. Wern. Soc.* i. 387. t. 8. f. 8; *Flem. B. An.* 385; *Macgilliv. Moll. Ab.* 227; *Brown, Ill. C. G. B.* 73. t. 25. f. 5, 6; *Forbes & Hanley, Brit. Moll.* ii. 293. t. 52. f. 6, & t. S. f. 1 (animal).
Pecten tumidus, *Turt. Biv.* 212. t. 17. f. 3; *Flem. B. An.* 384; *Brown, Ill. C. G. B.* 73; *Hanley, Rec. Shells*, i. 275; *Lovèn, I. M.* 32. 234.
Ostrea tumida, *Turt. Conch. Dict.* 132; *Sow. C. Ill.*
Pecten pygmeus, "*Muenst.*" *Philippi, Sicil.*
P. lævis, young? *Turton.*
a—e. Loch Fyne.
f, g. Ditto. Presented by R. M'Andrew, Esq.

8. ARGUS ISLANDICUS.

Pecten Islandicus, *Müller, Z. D. Prod.* 284. no. 2990, 1776; *Chemn.* vii. 65. f. 615, 616; *Turton, Bivalves*, 216; *Lovèn, Ind. Moll.* 30. 330; *Thorpe, Brit. Mar. Conch.* 119; *Forbes, M. G. S.* i. 419. 76; *Flem. B. An.* 385; *Macgilliv. Moll. Ab.* 226; *Brown, Ill. C. G. B.* 72. t. 24. f. 2; *O. Fabric. Faun. Græn.* 415; *Lamk. Hist.* 2nd ed. vii. 145; *Say, Amer. Conch.* t. 56. f. 1; *Sow. Thes. Conch.* i. 75. t. 17. f. 159, 160, 165; *Gould, Inv. Mass.* 134. f. 87; *Hanley, Rec. Shells*, i. 284; *Forbes & Hanley, Brit. Moll.* ii. 303.
Ostrea Islandica, *Gmel. S. N.* 3326; *Turt. Dict.* 258; *Ind. Test.* t. 10. f. 21.

Ostrea cinnabarina, *Born, Ind. Mus. Cæs.* 87, 1778; *Mus. Cæs.* 103; *Dillw. R. S.* i. 256.
Pecten Pealii, *Conrad, Amer. Conch.* 12. t. 2. f. 2.
Lister, Conch. t. 1057. f. 4; *Seba, Mus.* iii. t. 87. f. 7; *Enc. Méth. Vers*, t. 212. f. 1.
a. Clyde (semifossil). Presented by J. Smith, Esq.

3. Lima.

Lima, *Brug. Enc. Méth.* 1792; *Cuvier, Tab. élém.* 1798; *R. An.* 1817; *Lamk. Prod.* 1799; *Syst.* 1801; *Phil. Zool.* 1809; *Hist.* vi. 155, ed. 2. vii. 112; *Sow. Gen.*; *Schum. N. Syst.*; *Rang, Man.*; *Latr. Fam. Nat.*; *Gray, Syn. B. M.* 1840; 1842, 92; *Proc. Zool. Soc.* 1847, 200; *Forbes & Hanley, Brit. Moll.* ii. 262.
Ostrea, sp., *Gmel.*; *Linn. S. Nat.*; *Dillw. R. S.*
Glaucus and Glaucoderma, sp., *Poli, Test. Sic.* 1795.
Argus and Argoderma, part., *Poli, l. c.*
Glaucion, § *a, Oken, Zool.* 1815; *Naturg.* 1821.
Mantellum, *Bolten, Mus.* 1798, ed. 2. 112, 1819.
Pectunculus, sp., and Concha pectiniformis inæquilateralis triangularis, *Gualt. Ind.* 1742.
Radula, "*Petiver*," *Klein, Ostr.* 135, 1753.
Ctenoides, *Klein, Ostrac.* 134, 1753.
Pecten, sp., *Lister, D'Argenville, O. F. Müller, Martini.*

1. Lima Loscombii.

Lima Loscombii, *Leach, MSS.*; *Sowerby, Gen. Shells, Lima*, f. 4; *Thes. Conch.* i. 86. t. 22. f. 20–22; *Hanley, Thorpe, M. C.* xxx.; *Macgillio. Moll. Aberd.* 228; *Lovèn, I. M.* 32. 242; *Reeve, Conch. Syst.* t. 112. f. 4; *Hanley, Rec. Shells*, i. 267; *Forbes & Hanley, Brit. Moll.* ii. 265. t. 53. f. 1–3.
Lima bullata, *Turton* (not Ostrea bullata, *Born*) *Biv.* 218. t. 17. f. 4, 5; *Thorpe, B. Mar. Conch.* 114; *Philippi, Sicil.* ii. 56.
Pecten fragilis, *Mont. T. B. Supp.* 62, not *Chemn.*
Lima fragilis, *Forbes, Mag. N. Hist.* viii. 594. f. 65; *Malac. Monens.* 40; *Brown, Ill. C.* t. 31. f. 5, 7. 2nd ed. 74. t. 31. f. 6, 7, 7*; *S. Wood, Mag. N. H.* 1839, 235. t. 3. f. 3.
Ostrea fragilis, *Turton, Dict.* 131.
Lima strigilata, *Scacchi, Not.* 31 (not *Brocchi*).
a. Britain.
b—d. Britain. From the Collection of Dr. Leach.

2. Lima hians.

Ostrea hians, *Gmelin, S. N.* 3332, from *Schræt. Einleit. Conch.* iii. 332. t. 9. f. 4; *Dillw. Rec. Shells*, i. 270; *Ind. Test.* t. 11. f. 53.

Lima tenera, *Turt.* (*not* Ostrea tenera, *Chemn.*) *Zool. Journ.* ii. 362. t. 13. f. 2; *Brown, Ill. C.* t. 31. f. 8, 9, ed. 2. 74. t. 23. f. 8, 9; *Philippi, Moll. Sic.* i. 77, ii. 57. t. 16. f. 3; *Forbes, Malac. Monens.* 41.

Lima aperta, *Sow. Thesaur.* i. 57. t. 22. f. 26–29; *Thorpe, M. C.* 249; *Hanley, Rec. Shells*, i. 268.

Lima bullata, *Payraud. Moll. Corse*, 70; D'Orb. Moll. Canar. 101.

Pecten fragilis, *Mont. T. B. Supp.* 62.

Lima fragilis, *Flem. B. A.* 388; *Scacchi, Cat.* 4; *Couch, Corn. Faun.* pt. ii. 37.

L. oblonga, *S. Wood, Mag. N. H.* 1839, 233. t. 3. f. 2? (fossil).

L. vitrina, *Brown, Conch. Text-Book*, 1833, 113. t. 15. f. 7; *Ill. C.* t. 31. f. 10, 11; ed. 2. 74. t. 23. f. 10, 10*, 11, 11*.

L. Sarsii, *Kröyer* (fide *Lovèn*).

L. inflata, "*Lam.*," *Forbes, Malac. Mon.* 41; *Brown, Ill. C. G. B.* 74.

L. exilis, *S. Wood, Mag. N. Hist.* new ser. iii. 234. t. 3. f. 1? (fossil).

L. oblonga, *S. Wood, l. c.* t. 3. f. 2 (fossil).

Limæ, *Forbes, Mag. N. Hist.* viii. 593, 594. f. 63, 64.

Lima hians, *Lovèn, I. M.* 32; *Forbes & Hanley, Brit. Moll.* ii. 268. t. 52. f. 3–5, & t. R. (animal).

a, b. Oban. Presented by R. M'Andrew, Esq.
c—f. Oban.
g, h. Arran. Presented by the Rev. D. Landsborough.
i—l. Scotland.
m—s. Ditto.

4. Limatula.

Limatula, *S. Wood, Mag. N. H.* new ser. iii. 236, 1839; *Morris, Brit. Foss.* 111, 1843; *Gray, Proc. Zool. Soc.* 1847, 200; *Herrmannsen, Ind.* i. 595.

Pecten, sp., *Montagu, Test. Brit.*; *Fleming, Ed. Encyc.*

Lima, sp., *Turton, Brit. Biv.*; *Sowerby, Thes. Conch.*; *Philippi, Moll. Sic.* ii. 56; *Lovèn, I. M. Skand.* 32; *Forbes & Hanley, Brit. Moll.* ii. 263.

Limula, *D'Orbigny, Pal. Franç.*

1. Limatula subauriculata.

Pecten subauriculatus, *Mont. T. B. Supp.* 63. t. 29. f. 2; *Flem. Edin. Enc.* t. 205. f. 12.

Ostrea subauriculata, *Turt. Dict.* 131; *Ind. Test. Supp.* t. 2, *Ostrea*, f. 5.

Lima subauriculata, *Turt. Bivalves*, 218; *Flem. B. An.* 388; *Thorpe, Brit. Mar. Conch.* 114; *Hanley, Rec. Shells*, i. 266;

Supp. t. 2, *Ostrea*, f. 5; *Philippi, Moll. Sicil.* ii. 56; *Sow. Thes. Conch.* i. 84. t. 22. f. 23; *Lovèn, I. M.* 32. no. 243; *Forbes & Hanley, Brit. Moll.* ii. 263. t. 53. f. 4, 5.

Lima sulcata, *Leach, B. M.*; *Brown, Ill. C.* t. 31. f. 4, 5; 2nd ed. 74. t. 23. f. 4, 5; *Möller, Moll. Græn.* 16.

Ostrea nivea, *Brocchi*, 571. t. 14. f. 14; *Risso.*

Lima nivea, *Philippi, Moll. Sicil.* i. 78.

Lima sulculus, *Lovèn, Ind. Moll.* 32?

Limatula subauriculata, *S. Wood, Mag. N. H.* 1839, 235. t. 3. f. 6.

a—e. Oban and Inverary.

Fam. 2. Spondylidæ.

Spondylidæ, *Gray, Ann. Phil.* 1826; *Syn. B. M.* 1840; 1842, 84, 92; *Proc. Zool. Soc.* 1848, 201; *Geinitz, Grund. d. Verst.* 473, 1846; *Flem. Brit. An.*

Argus or Argoderma, *Poli, Test. Sicil.*

Ostracés, part., *Goldfuss, Hand. der Zool.*; *Cuvier, R. A.* ed. 2. 1830.

Ostracées, part., *Lamk. Cour.* 104, 1812; *Latr. Fam. Nat.*

Pectenides, part., *Lamk. Hist.* vi. 153; *Rang, Man. Moll.* 276; *Latr. Fam. Nat.*; *Féruss. Prod.* 40.

Pectinea, part., *Menke, Syn.* 98, 1830; *Anton, Verz. Conch.* 12.

Pectenidæ, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272.

Subostracés, *Blainv. Dict. Sci. Nat.* x.

Spondyloidæ, *Agassiz, Nom. Ind.* 1847.

Spondylea, *Menke*, 1846, *in Agass. Nom.*

1. Hinnites.

Hinnites, *Defrance, Dict. Sci. Nat.* xxi. 169, 1821; *Sow. Zool. Journ.* iii. 67; *Conch. Man.* 162; *Desh. in Lamk. Hist.* ed. 2. vii. 148; *Gray, Syn. B. M.* 1840, 1842; *Proc. Z. Soc.* 1847, 201; *Blainv. Malac.* 524, 1825; *Flem. Brit. An.* 381; *Cuvier, R. A.* ed. 2. 1830; *J. Sow. Min. Conch.* t. 601; *Swains. Malac.* 388; *Philippi, Moll. Sicil.* ii. 62.

Hynnites, *Herrmannsen, Index.*

Hinnus?, *S. Wood, Ann. & Mag. N. H.* 1841; *Morris, Brit. Foss.* 110, 1843.

Hinnita, *Gray, Ann. Phil.* new series, xii. 103, 1826; *Féruss. Tab. Syst.* 1821; *Menke, Syn.* 58, 1828, ed. 2. 98; *Agass. Moul. d. Moll.* 24; *Conrad, Freshwater Shells of United States?*, 1834; *Oken, Isis*, 1834, 503; *Pot. & Mich. Gal.* ii. 68, 1844; *Rang, Man.* 278, 1829; *Desh. Dict. Class. d'Hist. Nat. & In. Enc. Meth.* iii. 272.

Pecten (sp.), *D'Orb.*; *Sow, Genera, Pecten*, f. 6; *Forbes & Hanley, Brit. Moll.* ii. 278.
Lima (sp.), *Gray.*
Ostrea, sp., *Pennant, Brit. Zool.*; *Gmel.*; *Brocchi.*

1. HINNITES PUSIO.

Ostrea pusio, *Linn. S. N.* ed. 12. 1146?; *Don. B. S.* i. t. 34.
Pecten pusio, *Penn. B. Z.* ed. 4. iv. 86 (1777), n. 65. t. 61. f. 65; *Flem, Brit. An.* 385; *Sow. Gen. Pecten*, f. 6; *Reeve, Conch. Syst.* t. 114. f. 6; *Turton, Biv.* 215. t. 17. f. 2, jun.; *Brit. Faun.* 161. no. 292; *Philippi, Moll. Sic.* i. 84, ii. 58; *Sow. Thes. Conch.* i. 72. t. 14. f. 62, 63; *Forbes & Hanley, Brit. Moll.* ii. 278. t. 50. f. 4, 5. t. 51. f. 7; *Macgilliv. Moll. Ab.* 226; *Thorpe, Brit. Mar. Conch.* 119; *Lamk. Hist.* vii. n. 58?
Pecten distortus, *Da Costa, Brit. Conch.* (1778), 148. t. 10. f. 3–6; *Mont. T. B.* 148; *Supp.* 61; *Lovèn, Ind. Moll. Sk.* 30. no. 231; *Alder, Cat. Moll. North.* 77.
Ostrea distorta, *Pulteney, Dorset*, 36.
Hinnites pusio, *Sow. Zool. Journ.* iii. 71; *Conch. Man.* f. 173.
Ostrea sinuosa, *Gmel.* 3319; *Mat. & Rack. Linn. Trans.* viii. 99; *Dorset Cat.* 38. t. 10. f. 3–6; *Turt. Conch. Dict.* 130; *Dillw. Rec. Shells*, i. 262; *Ind. Test.* t. 10, *Ostrea*, f. 34.
Pecten sinuosus, *Turt. B. Biv.* 210. t. 9. f. 5; *Lamk. Hist.* 49, ed. 2. vii. 148; *Flem. B. An.* 384; *Thorpe, M. C.* 116; *Macgilliv. Moll. Aberd.* 225; *Brown, Ill. C.* t. 33. f. 8, ed. 2. 73. t. 25. f. 2; *Forbes, M. G. S.* i. 420. 80; *Malac. Monens.* 40.
Pecten Isabellæ, fry, *Macgilliv. Moll. Aberd.* 225 (not *Lamk.*); *Thorpe, B. M. Conch.* 250; *Brown, Ill. C. G. B.* 132.
Pecten spinosus, *Brown, Ill. C. G. B.* 73. t. 24. f. 8.
P. parvus, &c., *List. Conch.* t. 189. f. 23 (A.).
Hinnites sinuosus, *Desh. Lamk.* ed. 2. vii. 149, note; *Sow. Thes. Conch.* i. 79. t. 20. f. 1–3; *Cuv. Règ. An.* ed. *Croch.* t. 77. f. 1; *Brod. Penny Cyclop.* xvii. 359.
Pecten striatus, *Sow. Min. Conch.* t. 394. f. 2–4 (fossil).
Hinnites, *Gray.*
Lister, An. Ang. t. 4. f. 31; *Hist. Conch.* 172. f. 9.
a—e. Scarborough. Presented by Mrs. Robinson.
f—n. Britain.
o, p (attached to old Ostrea shell). Falmouth. Presented by W. P. Cocks, Esq.

Fam. 3. OSTREIDÆ.

Ostreidæ, *Brod. Penny Cyclop.* xiv. 1839; *Gray, Syn. B. M.* 1840; 1842, 84, 92; *Rev. Zool.* 452; *Proc. Zool. Soc.* 1847. 201.

Peloris or Peloroderma, *Poli, Test. Sicil.*
Ostreadæ, part., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Flem. Brit. An.*
Ostreacia and Anominia, *Rafin. Anal. Nat.*
Ostraces §, *Féruss. Prod.* 40; *Rang, Man. Moll.* 275.
Ostracées, part., *Lamk. Cour.* 104; *Cuv. R. An.*; *Goldfuss, Handb.* 600.
Ostracées, § 1, *Lamk. Hist.* vi. 195.
Ostreacea, *Schweigger, Naturg.* 712, 1820; *Menke, Syn.* 97, 1830; *Anton, Verz. Conch.* 12.
Ostracidæ, part., *D'Orb. Moll. Canar.* 1837; *Pal. Franç.* 1845; *Geinitz, Grund.* 476, 1846; *Swainson, Malac.* 387.
Ostracea (les Ostracées), *Lamk. Phil. Zool.* 1809; *Ext. Cours,* 1812; *Hist.* vi. 1819; *Cuv. R. A.* 1817; *Goldfuss, Hand. Zool.* 1820.
Ostreæ, *Férussac, Tab. Syst.* 1821.
Ostreadæ, *Fleming, Brit. Anim.*; *Guild. Zool. Journ.* 1828.
Ostraceæ, *Menke, Syn.* 37, 1828.
Ostraccidæ, *D'Orb. Moll. Canar.* 1837; *Swains. Malac.* 387, 1840.
Ostreina, *Agassiz, Nomenclat.*

1. Ostrea.

Ostrea, part., *Linn. S. Nat.*
Ostrea, *Lamk. Syst.* 1801; *Hist. A. s. V.* vi. 200, 2nd ed. vii. 214; *Latr. Fam. Nat.* 1825; *Rang, Man.* 1829; *Menke, Syn.* 1830; *Megerle, Entw.* 1811; *Gray, Lond. Med. Rep.* 1821; *Syn. B. M.* 1840; 1842, 92; *Proc. Zool. Soc.* 1847, 201; *Forbes & Hanley, Brit. Moll.* ii. 306.
Ostrea β, *Megerle.*
Ostrea D., *Blainv. Man.*
Ostræa, *Forbes, Mal. Mon.*; *Reeve, Conch. Syst.*; *Swains. Mal.*
Ostreum (sp.), *Adanson, Seneg.* 1757.
Dendostræa, *Swains. Malac.*
Mya, sp., *Scopoli, Int. Hist. Nat.?*
Alectryonia, "*Fischer, Gray,*" *Herrmanns. Ind.* ii. 390.
Amphidonta, *Fischer, Bull. Soc. Mosc.* 1829.
Peloris and Peloriderma, sp., *Poli, Test. Sicil.*

1. Ostrea edulis.

Ostrea edulis, *Linn. S. N.* 1148; *Faun. Suec.* 520; *Chemn. Conch.* viii. f. 682; *Penn. B. Z.* ed. 4. iv. 87. n. 69. t. 62. f. 70 (with an Anomia upon it); *Pulteney Hutch. Dors.* 36; *Flem. B. An.* 392; *Wood, Linn. Trans.* vi. t. 18. f. 9, 10; *Turt. Conch. Dict.* 133; *B. Biv.* 204; *Brit. Faun.* 162. no. 297; *Mont. T. B.* 151; *Mat.*

& Rack. Linn. Trans. viii. 101; *Dorset Cat.* 38. t. 11. f. 7; *Lamk. Hist.* 2nd ed. vii. 217; *Thorpe, Brit. Mar. Conch.* 120; *Born, Mus. Cæs.* 113; *Brown, Ill. C. G. B.* t. 31. f. 19, 2nd ed. 71. t. 23. f. 19, & t. 30. f. 6, 7; *Forbes, M. G. S.* i. 426. 82; *Lovèn, Ind. M. Sk.* 30. 228; *Dillw. Rec. Shells,* i. 280; *Ind. Test.* t. 10. f. 74; *Blainv. Man. Malac.* t. 60. f. 1; *Crouch, Intr. Conch.* t. 12. f. 8; *Sow, Gen. Shells, Ostrea,* f. 1; *Brown, Conch. Text-Book,* ed. 1. 111; *Reeve, Conch. Syst.* t. 120. f. 1; *Forbes & Hanley, Brit. Moll.* ii. 307. t. 54, t. T. f. 1 (animal).

Ostreum vulgare, *Da Costa,* 154. t. 11. f. 6.

Ostrea borealis, *Gould.*

Ostrea saxatilis, *Turton, Brit. Faun.* 162. no. 298.

Ostrea major, *List. Conch.* t. 193. f. 30=*List. An. Ang.* t. 4. f. 26.

Ostrea parasitica, *Turton* (not *Gmel.*), *Dict.* 134. f. 81; *Bivalves,* 205. t. 17. f. 6, 7; *Thorpe, M. C.* 120. f. 108; *Flem. B. An.* 393; *Brown, Ill. C.* ed. 2. t. 23. f. 20, 21.

Ostrea depressa, *Philippi, Sicil.* t. 6. f. 3; *Jeffreys, Ann. & Mag. N. H.* xix. 312.

? Ostrea deformis, *Lamk. Hist.* 2nd. ed. vii. 229 (*Turton, Bivalves,* 206).

Ostrea Hippopus, *Lamk. Hist.* 2nd ed. vii. 219.

Peloris vulgaris=Peloriderma edulis, *Poli,* ii. 255, 259.

a. Belfast Bay. Presented by W. Thompson, Esq.

b—e. Britain.

f—i. Ditto.

j, k. Dawlish.

l, m. Falmouth. Presented by W. P. Cocks, Esq.

Fam. 4. ANOMIADÆ.

Anomiadæ, *Gray, Syn. B. M.* 1840; 1842, 84, 92; *Proc. Zool. Soc.* 1847, 201; *Cat. Biv. Moll. Brit. Mus.* 7.

Anomia, sp., *Linn. S. N.* xii. 1150, &c. (not *Fab. Colon.* 1616).

Anomia, *Müller, Zool. Dan. Prod.* 31, 1776; *Lamk. Syst.* 137, 1801.

Echion and Echionoderma, *Poli, Test. Sicil.* i. 34, ii. 225.

Ostracées, part., *Lamk. Cour.* 104.

Ostracées, § 2, *Lamk. Hist.* vi. 196.

Ostracea, part., *Menke, Syn.* 1830; *Anton, Verz.* 12.

Ostracés §, *Féruss. Prod.* 40; *Rang, Man. Moll.* 273.

Anomica, *Herrmannsen, Ind.* i. 61.

Ostreadæ, part., *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 272; *Flem. B. An.*; *Forbes & Hanley, Brit. Moll.* ii.

? Bursula, sp., *Klein, Ost.* 173, 1753.

1. Anomia.

Anomia, part., *Linn. S. Nat.*
Anomia, *Müller, Zool. Dan.* 1776; *Retzius, Nov. Gen. Test.* 1788; *Brug. Enc. Méth.* i. 69, 1789; *Lamk. Prod.* 1799; *Syst.* 1801; *Hist.* ed. 2. vii. 271; *Megerle, Entw.* 1811; *Latr. Fam. Nat.*; *Blainv. Malac.*; *Rang, Man.*; *Gray, Med. Repos.* 1821; *Syn. B. M.* 1840; 1842, 92; *Proc. Zool. Soc.* 1847, 201; *Cat. Biv. Moll. Brit. Mus.* 14; *Forbes & Hanley, Brit. Moll.* ii. 322.
Anomia, A., *Schum. Ess.* 1817.
Echion and Echionoderma, sp., *Poli, Test. Sicil.*
Anomya, *Agassiz, Moul. d. Moll.* i. 23, 1839 (misprint?).
Fenestella, *Bolten, Mus.* 1798.
Lampades, sp., *Meuschen, Mus. Gevers.* 1787.
Cepa, sp., *Humph. Mus. Calonn.* 1797.
Bursula, *Klein*, fide *Desh. Enc. Méth.* ii. 150.
Stola, part., *Klein, Ostr.* 173.
"Ænigma, *Koch*," fide Cabinet of Mr. Cuming.

1. Anomia ephippium.

Anomia ephippium, *Linn. S. N.* 1150; *Penn. B. Zool.* ed. 4. iv. 93. t. 62; *Don. B. S.* t. 26; *Mat. & Rack. Linn. Trans.* viii. 102; *Dorset Cat.* 38. t. 11. f. 3; *Wood, Linn. Trans.* vi. t. 18. f. 11, 12; *Mont. T. B.* 155; *Forbes, M. G. S.* i. 420. 83; *Sow. Conch. Man.* f. 186; *Sow. Gen. Shells, Anomia*; *Mawe, Linn. Conch.* t. 15. f. 6; *Bowdich, Elem. Conch.* pt. 2. *Biv.* f. 90; *Lamk. Hist.* 2nd ed. vii. 273; *Ind. Test.* t. 11. f. 3; *Dillw. Rec. Shells*, i. 287; *Macgillv. Moll. Aberd.* 230; *Thorpe, B. Mar. Conch.* 121; *Brown, Ill. Conch. G. B.* 69. t. 22. f. 1–4; *Turt. Conch. Dict.* 2; *Brit. Biv.* 227. t. 18. f. 1–3, t. 17. f. 10; *Brit. Faun.* 162. no. 299; *Flem. B. An.* 395; *Born, Mus. Cæs.* 117; *Retzius, Nov. Gen.* 10; *Chemn. Conch. Cab.* viii. 81. t. 76. f. 692, 693; *Poli, Test. Sicil.* ii. 186. t. 30. f. 9, 10; *Philippi, Moll. Sic.* i. 92, ii. 65; *Reeve, Conch. Syst.* 124; *Forbes & Hanley, Brit. Moll.* ii. 325. t. 55. f. 2, 3, 5, 7, & t. T. f. 2, animal; *Gray, Cat. Biv. Moll. Brit. Mus.* 14.
Anomia electrica, *Linn. S. N.* ed. 12. 1150; *Flem. B. An.* 394; *Turton, Dict.* i. f. 67; *Bivalves*, 226. t. 17. f. 8, 9; *Thorpe, Brit. Mar. Conch.* 120; *Brown, Ill. Conch. G. B.* 70. t. 46. f. 5; *Dillw. Rec. Shells*, i. 287; *Ind. Test.* t. 11. f. 5; *Lamk. Hist.* 2nd ed. vii. 274; *Chemn. Conch. Cab.* t. 76. f. 691.
Ostrea lævis, *List. Conch.* t. 205. f. 29.
Anomia Tunica Cepæ, *Da Costa*, 165. t. 11. f. 3.
Anom. Cepa, *Linn. S. N.* 1151; *Chemn. Conch. Cab.* viii. 85. t. 76. f. 695; *Donov. B. Shells*, i. t. 26, side figs.; *Flem. B. An.* 395; *Thorpe, Brit. Mar. Conch.* 121; *Brown, Ill. Conch. G. B.* 70.

t. 39. f. 12*; *Pulteney, Dorset*, 37; *Turt. Conch. Dict.* 3; *Bivalves*, t. 18. f. 4, young; *Dillw. Rec. Shells*, i. 287; *Lamk. Hist.* 2nd ed. vii. 274.

Anomia Cæpa, *Poli, Test. Sic.* ii. 182. t. 30. f. 1, 2, 5–8;

Echion versicolor and Echionoderma ephippium, *Poli*, ii. 258, 259.

Jun. Anom. squamula, *Linn. S. N.* 1150; *Faun. Suec.* 521; *Penn. B. Zool.* ed. 4. iv. 93. n. 71; *Da Costa*, 167; *Mont. T. B.* 156 & 561; *Turton, Conch. Dict.* 3; *Brit. Bivalves*, 229. t. 18. f. 5, 6, 7; *Brit. Faun.* 163. no. 300; *Forbes, M. G. S.* i. 420. 84; *Pulteney Hutch. Dorset*, 36; *Mat. & Rack. Linn. Trans.* viii. 102; *Dorset Cat.* 39. t. 13. f. 4; *Flem. B. An.* 395; *Macgilliv. Moll. Aberd.* 231; *Thorpe, Brit. Mar. Conch.* 122; *Brown, Ill. Conch. G. B.* 69. t. 22. f. 5; *Chemn. Conch. Cab.* viii. 86. t. 76. f. 696; *Poli, Test. Sic.* ii. 186. t. 30. f. 18; *Lamk. Hist.* 2nd ed. vii. 275.

Echion anomalus and Echionoderma squamula, *Poli*, ii. 258, 259.

Anomia punctata, *Turton, Bivalves*, 232. t. 18. f. 11; *Chemn. Conch. Cab.* viii. 88. t. 77. f. 698; *Flem. B. An.* 395; *Macgilliv. Moll. Ab.* 232; *Thorpe, Brit. Mar. Conch.* 122; *Brown, Ill. Conch. G. B.* 70. t. 39. f. 13*; *Gmel. Syst. Nat.* 3346; *Dillw. Rec. Shells*, i. 288; *Ind. Test.* t. 11. f. 6.

An. cylindrica, *Gmel. S. N.* 3349; *Schröt. Einleit. Conch.* iii. 419. t. 9. f. 13; *Turt. Dict.* 6; *Bivalves*, 232; *Flem. B. An.* 395; *Macgilliv. Moll. Ab.* 232; *Thorpe, B. Mar. Conch.* 123; *Dillw. R. Shells*, i. 291; *Brown, Ill. Conch. G. B.* 70. t. 22. f. 7, 8; *Ind. Test.* t. 11. f. 13.

An. cymbiformis, *Mat. & Rack. Linn. Trans.* viii. 104. t. 3. f. 6; *Montag. T. B. Supp.* 64; *Turt. Brit. Faun.* 163. no. 303.

A. pyriformis, *Lamk. H.* 2nd ed. vii. 275; *Potiez, Gal. Douai*, ii. 41. t. 43. f. 10; *Deless. Rec.* t. 17. f. 4.

An. fornicata, *Lamk. Hist.* 2nd ed. vii. 275.? n. 6=*Enc. Méth.* t. 170. f. 45; *Turt. Bivalves*, 234. t. 18. f. 12, 13; *Thorpe, Brit. Mar. Conch.* 123; *Flem. B. An.* 396; *Brown, Ill. Conch. G. B.* 70. t. 39. f. 14*, 15*.

An. tubularis, *Turt. Bivalves*, 234; *Flem. B. An.* 396; *Thorpe, B. Mar. Conch.* 124; *Brown, Ill. Conch. G. B.* 70.

An. coronata, *Bean, Mag. N. Hist.* viii. 564. f. 52.

An. pellucida, *Brown, Wern. Trans.* ii. 514; *Illust. Conch.* t. 10*. f. 5.

An. violacea, *Brug. Enc. Méth.* 71.

An. costata, *Brocchi*, 463. t. 10. f. 9.

An. plicata, *Brocchi, Conch.* 665. t. 16. f. 9.

An. patelliformis, *Chemn.* viii. 89. t. 77. f. 700; *Dillw. R. S.* i. 290.

An. striatula, *Brug. Enc. Méth.* 74.
? An. bifida, *Chemn.* viii. 79. t. 76. f. 689, 690; *Dillw. R. S.* i. 291.
? An. membranacea, *Lamk.* vi. 228, ed. 2. vii. 275. no. 7=*Enc. Méth.* t. 170. f. 1–3?
An. sulcata, *Poli*, t. 30. f. 12; *Brocchi*, t. 10. f. 2.
An. radiata, *Brocchi*, t. 10. f. 10.
An. pecteniformis, *Poli*, t. 30. f. 31; *Philippi, Sic.* ii. 63. t. 18. f. 3.
An. margaritacea, *Poli*, ii. t. 30. f. 11; *Philippi, Moll. Sic.* ii. 65.
A. flexuosa, *Gmel. S. N.* 3349; *Schröt. Einleit. Conch.* iii. 418. t. 9. f. 11; *Ind. Test.* t. 12, *Anomia*, f. 31.
A. rugosa, *Gmel. S. N.* 3349; *Schröt. Einleit. Conch.* iii. 419. t. 9. f. 12.
A. patellaris, *Lamk. Hist.* 2nd ed. vii. 273; *Deless. Rec.* t. 17. f. 3.
A. polymorpha, *Philippi, Moll. Sic.* ii. 65.
A. scabrella, *Philippi, Moll. Sic.* ii. 65. t. 18. f. 1.
An. scabra, *Soland. MSS.* fide *Dillw.*
An. lens, *Lamk. Hist.* vi. 228, 2nd ed. vii. 276. no. 9.
An. aspera, *Philippi, Sic.* ii. 65. t. 18. f. 4.
An. elegans, *Philippi*, ii. 65. t. 18. f. 2.
? An. cucullata, *Brug. Enc. Méth.* 70.

a—*e*. Britain.
f—*k*. Ditto.
l—*q*. Ditto.
r—*w*. Ditto. Presented by Mrs. Robinson.
x, *y*. Falmouth. Presented by W. P. Cocks, Esq.
z—*b b*. Britain.
c c, *d d*. Ditto.
e e—*n n*, jun. Britain.
o o—*w w*. Ilfracombe. Presented by J. E. Gray, Esq.

Var. Anomia aculeata, *Müller, Zool. Dan. Prod.* 249; *Mont. Test. Brit.* 157. t. 4. f. 5; *Mat. & Rack. Trans. Linn. Soc.* viii. 103; *Chemn. Conch. Cab.* viii. 92. t. 77. f. 702; *Turt. Conch. Dict.* 4; *Brit. Bivalves*, 233; *Brit. Faun.* 123. no. 301; *Flem. B. An.* 396; *Macgilliv. Moll. Ab.* 232; *Thorpe, Brit. Mar. Conch.* 123. f. 73; *Brown, Ill. Conch. G. B.* 70. t. 22. f. 6; *Brug. Enc. Méth. Vers*, i. 73; *Dillw. Rec. Shells*, i. 288; *Philippi, Moll. Sic.* ii. 214. t. 28. f. 1?; *Gould, Invert. Mass.* 139. f. 90; *Lovèn, Ind. Moll. Skand.* 30. 223; *Forbes & Hanley, Brit. Moll.* ii. 333. t. 55. f. 4.

Anom. striolata, var., *Turt. B. Biv.* 233; *Flem. Brit. An.* 396; *Macgilliv. Moll. Aberd.* 233?; *Thorpe, Brit. Mar. Conch.* 125; *Brown, Ill. Conch. G. B.* 70.

a—*g*. Britain.
h—*m*. Ditto. Presented by Mrs. Robinson.

2. Placunanomia.

Anomia β, *Schumach. Ess.* 1817.
Placunanomia, *Brod. Proc. Z. Soc.* 1832, 29; *Müller, Syn.* 176; *Desh. in Lamk. Hist.* vii. 269; *Gray, Proc. Z. Soc.* 1849, 119; *Cat. Biv. Moll. Brit. Mus.* 8; *D'Orb. Amer. Merid.*
Pododesmus (decipiens), *Philippi, Wiegm. Arch.* i. 385, 1837.
Anomia, part., *Blainv. Man.*; *Montagu, T. B.*; *Forbes & Hanley, Brit. Moll.*
Ostrea, sp., *Da Costa, B. Conch.*; *Mont. T. B.*
Placunomia, *Swainson, Malac.* 39, 1840.

1. Placunanomia patelliformis.

Anomia patelliformis, *Linn. N. A. Upsal.* i. 42. t. 5. f. 6, 7; *S. Nat.* ed. 12. 1151; *Lovèn, I. M.* 30. n. 222; *Retzius, Nov. Gen. Test.* 11; *Forbes & Hanley, Brit. Moll.* ii. 334. t. 5. f. 5, 6; *Wood* (not *Linn.*), *Ind. Test.* t. 11. f. 10.
Placunanomia patelliformis, *Gray, Cat. Biv. Moll. Brit. Mus.* 12. no. 8.
An. undulata, *Gmelin, S. N.* 3346; *Mont. T. B.* 157. t. 4. f. 6; *Mat. & Rack. Linn. Trans.* viii. 103; *Dorset Cat.* 39. t. 11. f. 4; *Macgilliv. Moll. Aberd.* 231; *Turt. Conch. Dict.* 4; *Brit. Biv.* 230. t. 18. f. 8–10; *Brit. Faun.* 163. no. 302; *Flem. B. An.* 395; *Brown, Conch. Text-Book*, ed. 1. 110; *Ill. Conch. G. B.* 69. t. 22. f. 2, 3; *Brug. Enc. Méth.* i. 74. t. 171. f. 16, 17, t. 184. f. 5, 6; *Dillw. Rec. Shells*, i. 289; *Ind. Test.* t. 11. f. 9; *Thorpe, Brit. Mar. Conch.* 122.
An. undulatim striata, &c., *Chemn. Conch. Cab.* viii. 88. t. 77. f. 699.
Ostreum striatum, *Da Costa, B. Conch.* 162. t. 11. f. 4.
Ostrea striata, *Pulteney Hutch. Dorset*, 36; *Donov. B. Shells*, ii. t. 45; *Mont. Test. Brit.* 153 & 580.
An. squama, *Gmel. S. N.*; *Schum. Ess.*
Anomia striata, *Lovèn, Ind. Moll. Skand.* 29; *Forbes & Hanley, Brit. Moll.* ii. 336. t. 55. f. 1–6, t. 53. f. 6.
? Squama magna, *Chemn. Conch. Cab.* viii. 87. t. 77. f. 697 (from which Anomia squama, *Gmel. & Wood*).
List. Ang. t. 4. f. 27; *Conch.* t. 202. f. 36, 37.
a—h., *i—v.* (An. striata.) Britain.

Class II. BRACHIOPODA.

Brachiopoda, *Cuvier, Ann. du Mus.* i. 44, & *in Roissy, Moll.* vi. 460, 1805; *Dumeril, Trait. élém.* 1806; *Lamk. Phil. Zool.* 1809; *Latr. Fam. Nat.*; *Schweigg. Naturg.* 689; *Rang, Man.*; *Flem. Brit. An.*; *Menke, Syn.* i. 95, 1836; *Gray, Syn. B. M.* 1840; 1842, 85; *Proc. Zool. Soc.* 1847, 202; *Ann. Nat. Hist.* 2nd ser. ii. 435, 1848.
Anomia, part., *Linn. S. Nat.*
Criopus or Criopoderma, *Poli, Test. Sicil.*
Branchiopoda, *Risso, Hist.* iv. 1826; *Swains. Malac.* 1840.
Spirobrachiophora, *Gray, Med. Repos.* 1821, 238.
Lingulacea, *Blainv. Dict. Sc. Nat.* x. 1818.
Acephalophora palliobranchia, *Blainville, Prodr.* 1814.
Acephala Brachiopoda, *Anton, Verz. Conch.* 12, 1839.
Acephala Palliobranchiata or Brachiopoda, *Forbes & Hanley, Brit. Moll.* ii. 339.
Conchifères monomyaires, Sect. III., *Lamk. Hist.* vi. 229.
Conchifères Brachiopodes, *Lamk. Hist.* vi. 241.
Mol. acephala testacea monomyaria (monomyaires), part., *Lamk. Hist.* vi. 1, 2nd ed. vii. 1.
Brachyopea, *Rafin. Anal. Nat.* 1815.
Acephales testacés, Brachiopodes (and Ostracées, part.), *Lamk. Ext. du Cour.* 104, 1812; *Rang, Man. Moll.* 257.
Palliobranchiata or Palliobranches, *Blainv. Dict. Sc. Nat.* xxxii. 1824; *King, Ann. & Mag. N. H.* xviii. 1846.
Multivalves, part., *Megerle, Berl. Mag.*
Therozoa Brachiopoda, *Eichwald, Zool. Spec.* i. 272.

Order I. SARCICOBRACHIA.

Sarcicobrachia, *Gray, Ann. N. H.* 2nd ser. ii. 436, 438, 1848, *King.*

Fam. 1. CRANIADÆ.

Craniadæ, *Gray, Syn. B. M.* 1840; 1842, 192; *Ann. N. H.* 2nd ser. ii. 438, 1848; *Agassiz, Nom.*; *Herrmanns. Ind.* i. 315; *Forbes & Hanley, Brit. Moll.* ii. 364.
Craniacea, *Menke, Syn.* ed. 2. 96, 1830.
Craniaceæ, *Menke, Syn.* ed. 1. 56, 1828.
Orbiculacea and Craniacea, *Anton, Verz. Conch.* 12, 1839.
Les Craniés, *Féruss. Tab. Syst.* 1821; *Rang, Man. Malac.* 262: *Desh. Enc. Méth.*
Craniidæ, *King, Ann. N. H.* xviii. 28, 1846.

1. Crania.

Crania, *Retzius, Schrift. Ges. Nat. Berlin*, ii. 66, 1781; *Diss.* 11. 1788; *Brug. Enc. Méth.* i. 1789; *Lamk. Prod.* 1799; *Syst.* 1801; *Phil. Zool.* 1809; *Hist.* ed. 1. vi. 237, ed. 2. vii. 297; *Megerle, Entw.* 1811; *Schum. N. Ess.* 1817; *Féruss. Tab. Syst.*; *Rang, Man.*; *Schweigg. Naturg.*; *Blainv. Malac.*; *Latr. Fam. Nat.*; *Menke, Syn.* 56; *Philippi, Moll. Sicil.*; *Gray, Lond. Med. Repos.* 1821; *Ann. Philos.* 1825; *Syn. B. M.* 1840; 1842, 92; *Proc. Zool. Soc.* 1847, 202; *Forbes & Hanley, Brit. Moll.* ii. 365.
Criopus and Criopoderma, *Poli, Test. Sic.*; *Flem. Brit. An.*
Cryopus, *Desh. E. Méth.*
Orbicula, sp., *Lamk. Syst.* 1801; *Schum. N. Ess.*
Discina, *Turt. Brit. Biv.* (not *Lamk.*).
Patella, sp., *Fabr., Müller, Montagu.*
Anomia, sp., *Linn., Chemn.*

1. Crania anomala.

Patella anomala, *Müll. Z. D.* t. 6.
Pat. distorta, *Mont. Linn. Trans.* xi. 195. t. 13. f. 5; *Flem. Ed. Enc.* vii. 65. t. 204. f. 4.
Anomia turbinata, *Dillw. Rec. Shells*, i. 286 (part.); *Ind. Test.* t. 11. f. 2.
Discina ostreoides, *Turt. B. Biv.* 237, not *Lamk.*
Crania personata, *Sow. Trans. Linn. Soc.* xiii. 471. t. 26. f. 3; *Crouch, Intr. Conchol.* t. 13. f. 3?
Criopus anomalus, *Flem. Phil. Zool.* ii. 499; *B. An.* 377.
Crania rostrata, *Thorpe, B. Mar. Conch.* 125.
Orbicula Norvegica, *Potiez & Mich. Gal. Douai Moll.* ii. t. 43. f. 1?; *Brown, Ill. C. G. B.* 69. t. 22. f. 9, t. 20. f. 21, 22.
Crania Norvegica, *Sow. Thes. Conch.* i. 368. t. 73. f. 15–17.
Crania anomala, *Lovèn, Ind. Moll. Sk.* 29; *Forbes & Hanley, Brit. Moll.* ii. 366. t. 56. f. 7, 8; t. U. f. 2 (animal as *C. Norvegica*).
a, b. Cork. Presented by Miss Elliot.
c. Ditto. Presented by J. D. Humphreys, Esq.

Order II. ANCYLOBRACHIIA.

Ancylobrachia, *Gray, Ann. N. H.* 2nd ser. ii. 435, 436, 1848.

Fam. 1. Terebratulidæ.

Terebratuladæ, *Leach, MSS.* 1818, *Ann. & Mag. N. H.* xx. 273.
Terebratulidæ, *Gray, Syn. B. M.* 1840; 1842, 85, 92; *M'Coy, Carb. Foss. Ireland*; *King, Ann. & Mag. Nat. Hist.* xviii.;

Gray, Ann. N. H. 2nd ser. ii. 436, 1848; *Forbes & Hanley, Brit. Moll.* ii. 343.
Terebratulacea, *Menke, Syn.* ed. 2. 95, 1830.
Terebratulacea, part., *Anton, Verz. Conch.* 12. 21.
Terebratulaceæ, *Menke, Syn.* ed. 1. 56, 1828.
Les Térébratules, *Féruss. Tab. Syst.* 1821; *Rang, Man. Moll.* 258.
Terebratulinæ, *Agass. Nomen.* 1847.
Gulæ, part., *Eichw. Zool. Spec.* i. 275.
Thecididæ, part. (Megathyris), *D'Orb. Terr. Cret.*
Cyclothyridæ, *Phillips, Pal. Foss. Cornwall.*

1. Terebratula.

Terebratula, *Llwyd, Lith. Brit.* 40, 1699; *Müller, Zool. Dan.* 1776; *Retzius, Dissert.* 1788; *Lamk. Phil. Zool.* 1809; *Hist.* vi. 243, ed. 2. vii. 319; *Lovèn, Ind. Moll. Skand.* 29; *Leach, Zool. Miscell.* i. 76, 1814; *Schum. Ess.* 133; *Féruss. Tab. Syst.* 1821; *Rang, Man.* 1829; *Gray, Lond. Med. Repos.* xv. 1821; *Syn. B. M.* 1840; 1842, 92; *Proc. Zool. Soc.* 1847, 202; *Menke, Syn.* 1828 & 1830; *Forbes & Hanley, Brit. Moll.* ii. 349.
Concha anomia, *Fab. Colonna, Tract. de Purp.* 1616.
Criopus and Criopoderma, *Poli, Test. Sicil.*
Gryphus, *Muhlf. Entw.* 64, 1811.
Lampas, sp., *Humph. Mus. Calonn.* 1797 (not *Schum.*).
Lampades, *Meusch. Mus. Gevers.* 1787.
Anomia, sp. (animal), *Linn. Syst. Nat.*
Terebratularius, *Dumer. Zool. Anal.* 168, 1806.
Apleurotis, Megorima, Trigonina, Diclisma, Obovites, Terebratula, *Rafin. Anal.*

1. Terebratula Caput-serpentis.

Anomia Caput-serpentis, *Linn. S. N.* ed. 12. 1153; *Faun. Suec.* ed. 2. 521; *Act. Upsal.* 1773, i. 41. t. 5. f. 3; *Born, Mus. Cæs.* 119; *Chemn. Conch. Cab.* viii. 103. t. 78. f. 712, & xi. 248. t. 204. f. 2013; *Dillw. Rec. Shells*, i. 293; *Ind. Test.* t. 11. f. 22.
Anomia retusa, *Linn. S. N.* ed. 12. 1151; *F. Suec.* ed. 2. 521; *Dillw. R. Shells*, i. 292.
An. pubescens, *Linn. S. N.* ed. 12. 1153; *Schröter, Einl. Conch.* iii. 397. t. 9. f. 10; *Dillw. R. Shells*, i. 293; *Ind. Test.* t. 11. f. 20.
An., nov. sp., *Pennant, Act. Upsal.* 1773, 39. t. 5. f. 4.
Terebratula pubescens, *Müll. Zool. Dan. Prod.* 449. no. 3007.

Terebrat. Caput-serpentis, *Lamk.* (not *Retzius*) *Hist.* 2nd ed. vii. 332; *Sow. Gen. Shells, Terebrat.* f. 2; *Philippi, Moll. Sic.* i. 95. t. 6. f. 5, & ii. 66; *Reeve, Conch. Syst.* t. 126. f. 2; *Sow. Thes. Conch.* i. t. 68. f. 1–4, t. 72. f. 116; *Forbes & Hanley, Brit. Moll.* ii. 353. t. 56. f. 1–4.

Terebrat. costata, *Lowe, Zool. Journ.* ii. 105. t. 5. f. 8, 9.

Terebrat. aurita, *Flem. Philos. Journ.* ii. 498. t. 4. f. 5; *Brit. An.* 369; *Thorpe, B. Mar. Conch.* 127; *Brown, Ill. Conch. G. B.* 68.

Delthyris spatula, *Menke, Syn.* 96, 1830.

Terebratulina Caput-serpentis, *D'Orb. Pal. Franç. T. C.* iv. 58; *Davila, Cat. Cab.* i. t. 20. f. F; *Poli, Test. Sic.* ii. t. 30. f. 15 (part of a group); *Enc. Méth. Vers,* t. 246. f. 7.

a (group *in situ*). Loch Fyne.
b (ditto). West Coast of England.
c—e. Loch Carron, W. Ross-shire. Presented by J. G. Jeffreys, Esq.
f—p. Loch Fyne.
q, r. Ditto. Presented by the Rev. D. Landsborough.
s—x. Oban.

2. TEREBRATULA CRANIUM.

Terebratula Cranium, *Müller, Zool. Dan. Prod.* 249. no. 3006; *Mont. Trans. Linn. Soc.* xi. 188. t. 13. f. 2; *Turt. B. Biv.* 236; *Flem. B. An.* 368; *Moll. An.* t. 14. f. 49; *Thorpe, Brit. Mar. Conch.* 126; *Brown, Ill. Conch. G. B.* 68. t. 22. f. 10–12; *Lovèn, Moll. Skand.* 29; *Forbes & Hanley, Brit. Moll.* ii. 357. t. 57. f. 11.

Anomia Cranium, *Gmel. S. N.* 3347; *Turt. Conch. Dict.* 5; *Dillw. Rec. Shells,* i. 294 (part., not *Synon.*).

Terebratula vitrea, *Fleming* (not *Born* nor *Chemn.*), *Ed. Encyc.* vii. 96. t. 206. f. 2; *Philos. Zool.* t. 4. f. 4.

Inhab. ——?

2. LAMPAS.

Lampas, sp., *Humph. Mus. Calonn.* 1797; *Gray, Proc. Zool. Soc.* 1847, 202.

Lampus, *Herrmanns. Ind.* i. 575 (misprint?).

Terebratula, sp., *Lamk. Hist.*

Anomia, sp., *Gmel. S. N.*

Hypothyris, *Phillips, Paleoz. Foss. of Cornw.* 1841; *King, Ann. N. H.* xviii. 238; *Forbes & Hanley, Brit. Moll.* ii. 345.

Atrypa, sp., *Menke, Syn.* 1830; *Sow. Conch. Man.* 1842.

1. LAMPAS PSITTACEA.

Anomia rostrum psittaci, *Chemn. Conch. Cab.* viii. 106. t. 78. f. 713.

An. psittacea, *Gmel. S. Nat.* 3348; *Turt. Conch. Dict.* 5. f. 42–44; *Dillw. Rec. Shells*, i. 296; *Ind. Test.* t. 11. f. 27; *Mawe, Linn. Conch.* t. 15. f. 3.
Terebratula psittacea, *Lamk. Hist.* 2nd ed. vii. 333; *Turt. Brit. Biv.* 236; *Flem. Brit. An.* 368; *Thompson, Ann. N. Hist.* xiii. 433; *Thorpe, B. Mar. Conch.* 127; *Brown, Ill. Conch. G. B.* 68. t. 46. f. 2–4; *Alder, Cat. Moll. North.* 74; *Crouch, Int. Conch.* t. 13. f. 4; *Sowerby, Gen. Shells, Terebrat.* f. 5; *Thes. Conch.* i. 342. t. 71. f. 78–80; *Sow. jun., Conch. Man.* f. 202; *Gould, Invert. Mass.* 142. f. 91; *Reeve, Conch. Syst.* t. 126. f. 5.
Hypothyris psittacea, *King, Ann. Nat. Hist.* xviii. 238; *Forbes & Hanley, Brit. Moll.* ii. 346. t. 57. f. 1–3.
Lampas psittacea, *Gray, Proc. Zool. Soc.* 1847, 202.
Gypidia psittacea, *Menke, Syn.* 96, 1830.
Inhab. ——?

3. Megathyris.

Megathyris, *D'Orbigny, Terr. Cret.* iv.; *Forbes & Hanley, Brit. Moll.* ii. 359.
Terebratula, sp., *S. Wood.*
? Orthis, part., *Philippi.*

1. Megathyris Cistellula.

Terebratula Cistellula, *S. Wood, Ann. N. Hist.* vi. 253 (fossil).
Terebratula seminulum ?, *Jeffreys, Ann. N. Hist.* xix. 312.
Megathyris Cistellula, *Forbes & Hanley, Brit. Moll.* ii. 361. t. 57. f. 9.
Inhab. South Devon, Exmouth, in coral zone, *Clark.* Torquay, *Turton.*
a—c. Sound of Skye, in 25 fathoms. Presented by R. M'Andrew, Esq.

Class III. PTEROPODA.

Pteropoda, *Cuvier, Ann. du Mus.* iv. 1804; *R. An.* ii. 1817; *Blainv. Dict. Sci. Nat.* xliv. 1826; *Lamk. Phil. Zool.* 1809; *Ext. Cours*, 1812; *Hist.* vi. 283, 2nd ed. vii. 412; *D'Orb. Voy. Am. Mérid.* 65; *Rang, Man. Moll.* 112; *Bronn, Gesch. d. Nat.* iii. 353, 1847; *Gray, Syn. B. M.* 1842, 85, 92; *Proc. Zool. Soc.* 1847, 203; *Catalogue of Pteropoda in Brit. Mus.* 1850; *Forbes & Hanley, Brit. Moll.* ii. 377.

Acephales, part., *Blainv. Bull. Soc. Phil.* 1814, 179.

Ptérobranches or Ptérodibranches, *Blainv. Bull. Soc. Philom.* 1814, 177; *Organ. An.* i. t. 8, 1822.

Pterodibranchiata, *Blainv. Journ. de Phys.* 1816 (*test. Agassiz, Nomen.*); *Dict. Sc. Nat.* xliv. 31.

Pterodybranchiata, *Blainv. Journ. de Phys.* (*test. Agass. Nom.*).

Stomatopterophora, *Gray, Lond. Med. Repos.* xv. 1821.

Aporobranchiata (Aporobranches), *Blainv. Malac.* 480, 1825.

Mollusca nuda nageant, part., *Latr. Dict. Hist. Nat.* xxiv. 108, 1804.

Flossenkracken, *Oken, Allg. Naturg.* v. 518.

Cephalopoda pinnata, *Esch. Zool. Atlas*, iii. 1829; *Menke, Zeitsch. Mal.* 72, 1844.

Cephalopoda, part., *Swainson.*

Clio, *Browne, Jamaica*, 386, 1756; *Linn. S. N.* ed. 12. i. 1094, 1767.

Mollusca brachiata, part., *Poli, Test. Sic.* i. 27.

Cephalophora Pteropoda Hyalacea, *Anton, Verz. Conch.* 12.

Therozoa pteropoda, *Eichw. Zool. Spec.* i. 310.

Order I. THECOSOMATA.

Thecosoma, *Blainv. Dict. Sc. Nat.* xxxii. 1824; *Malacol.* 1825; *Desh. Enc. Méth.* iii. 1036; *Herrmanns. Ind.* ii. 571.

Thecosomata, "*Blainv.*" *Rang, Man.* 112; *Gray, Syn. B. M.* 1842, 86, 92; *Proc. Zool. Soc.* 1847, 203; *Catalogue of Pteropoda in Brit. Mus.* 1850.

Cryptocephala, *Latr. Fam. Nat.* 169, 1825.

Pterobranchia and Dactyliobranchia, *Gray, Lond. Med. Repos.* 1821, 235.

Hyalinées, *D'Orb. Voy. Am. Mérid.* 77.

Fam. 1. Cavolinidæ.

Cavolinidæ, *Gray, Cat. Moll. Pteropoda Brit. Mus.* 1850.
Cleodoridæ, *Gray, Syn. B. M.* 1840; 1842, 86, 92; *Proc. Zool. Soc.* 1847, 203; *M. E. Gray, Fig. Moll. An.* i. 39. t. 77, 78; *Agassiz, Nomenclat.*
Dactyliobranchia, *Gray, Lond. Med. Repos.* 1821.
Hyalæacia, *Menke, Syn.* 2nd ed. 6. 1830; *Anton, Verz.* 24, 1839; *Gravenh. Das Thierr. Verwandt.* 33.
Hyalæaciæ, *Menke, Syn.* ed. 1.
Hyaleacia, *Herrmanns. Ind.* i. 543.
Hyaleidæ (Hyaleides), *Cantraine, Mal. Medit.* 1841.
Hyalidæ, *D'Orb. Moll. Canar.* 1837; *Moll. Cub.* i. 70, 1841.
Hyaleæ (Les Hyales), *Féruss. Tab. Syst.* 1821; *Rang, Man.*; *Desh. Enc. Méth.* iii. 310.
Acephalacis inæquivalvibus bivalvibus, *Lamk. Syst.* 139.
Acephales, part., *Latr. Dict. Hist. Nat.* xxiv. 119, 1804; *Blainv. Bull. Soc. Phil.* 1814, 179.

1. Diacria.

Diacria (trispinosa), *Gray, Syn. B. M.* 1840; 1842, 92; *Proc. Zool. Soc.* 1847, 203; *Cat. Moll. Pterop. Brit. Mus.* 1850; *Agass. Nomenclat.*; *Herrmanns. Ind.* i. 383.
Hyalea β (elongata), *Rang, Man.* 114, 1829.
Hyalæa **, *D'Orb. Voy. Am. Mér.* 77; *Cuba*, 80.
Hyalea, sp., *Forbes & Hanley, Brit. Moll.* ii. 379.

1. Diacria trispinosa.

Hyalea trispinosa, *Lesueur, MSS. in Blainv. Dict. Sc. Nat.* xxii. 82; *Thompson, Ann. N. Hist.* v. 13; *Rep. Brit. Assoc.* 1843, 249; *Quoy & Gaim. Voy. Ast.* vii. 378. t. 27. f. 17–19; *Desh. Enc. Méth. Vers*, ii. pt. ii. 310; *Lamk. Hist.* 2nd ed. vii. 417, 421; *Cuv. Règn. An.* ed. *Griff.* t. 3. f. 7; *D'Orb. Voy. Am. Mér.* 106. t. 7. f. 1–5; *Moll. Canar.* 29. no. 14; *Moll. Cuba*, 81; *Philippi, Moll. Sic.* ii. 71; *Lovèn, K. Vet. Akad.* 1847, t. 3. f. 4; *Forbes & Hanley, Brit. Moll.* ii. 380. t. U. f. 3; *Rang, Monog. ined.* t. 3; *Guérin, Icon. R. An.* t. 4; *Blainv. Dict. Sc. Nat.* xxii. 82.
Hyalea mucronata, *Quoy & Gaim. Ann. Sc. Nat.* x. 231. t. 8, 13. f. 1, 2!
H. triacantha, *Guidotti, in Bronn, Ital.* 85 (fossil).
H. depressa, *Bivona, Efem. Sicil.* t. 1. f. 4, 5; *Philippi, Moll. Sic.* i. 101. t. 6. f. 19 (fossil).

Hyales à trois pointes, *Voy. Bonite, Moll.* t. 6. f. 1, 10; *Chenu, Traité élém.* 125. f. 403, 404.
Davila, Cat. Cab. i. t. 20. f. *e*?; *Chemn. Conch. Cab.* viii. 65. vignette 13. f. *c, d.*
Inhab. ——?

Fam. 2. LIMACINIDÆ.

Limacinidæ, *Gray, Syn. B. M.* 1840; *Proc. Zool. Soc.* 1848, 203; *Cat. Moll. Pterop. Brit. Mus.* 1850.
Limacinadæ, *Forbes & Hanley, Brit. Moll.* ii. 379, 1849.
Pterobranchia, *a*: *Gray, Lond. Med. Repos.* 1821, 235.
Hyaleacea, part., *Menke, Syn.* 4, 1828, ed. 2. 8, 1830.
Hyaleæ, part., *Rang, Man.* 113, 1829.
Atlantarum, part., *Desh. E. Méth.* iii. 343, 1830.
Hyalidæ, part., *D'Orb. Moll. Cuba,* i. 70, 1841.
Limacinæ (les Limacines), part., *Féruss. Tab. Syst.* 25, 1821 (not *Swains.* nor *Blainv.*).
Procephala, part., *Latr. Fam. Nat.* 1825.
Atlantidæ, part.?, *Gray, Proc. Zool. Soc.* 1847, 149.

1. LIMACINA.

Limacina (helicinalis), *Cuv. R. An.* iii. 1817; *Lamk. Hist.* vi. 290, 1819, 2nd ed. vii. 435; *Schweigger, Nat.* 750, 1820; *Gray, Med. Repos.* 1821; *Cat. Moll. Pterop. Brit. Mus.* 1850; *Féruss. Tab. Syst.* 25, 1821; *Menke, Syn.* 4, 1828, ed. 2. 8, 1830; *D'Orb. Moll. Cuba,* i. 70; *Rang, Man.* 113, 1829; *Esch. Isis,* 1825, 735; *Desh. E. Méth.* iii. 343 (not *Hartmann,* 1821, nor *Wiegmann,* 1832, nor *Gray, Proc. Zool. Soc.* 1847, nor *Sowerby's Genera*).
Spirialis, *Eydoux & Souleyet, Rev. Zool.* 1840, 235; *Wiegm. Arch.* 1841, ii. 265; *Lovèn, I. M. Skand.* 4; *Gray, Proc. Zool. Soc.* 1847, 203; *Forbes & Hanley, Brit. Moll.* ii. 382.
Trochus, sp. (lunaris), *Gmel. S. Nat.*; *Chemn. C. Cab.* ix.
Spiratella (limacina), *Blainv. Dict. Sc. Nat.* xxxii. 284, 1825; *Man. Mal.* 494, 1825; *Desh. E. Méth.* iii. 471; *Sow. Conch. Man.* 100, ed. 2. 263.
Fusus, sp. (retroversus), *Flem. Mem. Wern.* iv. 498; *Brit. An.* 349.
Kronjacht, *Oken, Lehrb. Nat.* 1815, t. 9.
Peracle (Flemingii), *Forbes, Rep. Brit. Assoc.* 1843, 132, 249; *Moll. Æg. Sea,* 132, 1844.
Helicophora, *Gray, Syn. B. M.* 1840; 1842, 59, 89.
Atlanta, sp. (heliconoides), *D'Orb. Voy. Am. Mérid. Moll.* 174, 184.

Scæa, *Philippi, Moll. Sic.* ii. 164.
Limacina, sp., *Benson, Journ. As. Soc. Calcutta*, 1835, 176.
Heterofusus (retroversus), *Fleming, Brit. An.* 498, 1833; *Gray, Proc. Zool. Soc.* 1847, 149.
Argonauta, sp., *O. Fabr.*
Clio, sp., *Phipps*; *Gmel. S. Nat.*
Heliconoides, *D'Orb.*; *Gray, Proc. Zool. Soc.* 1847, 149.
Campylonaus, *Gray, Proc. Zool. Soc.* 1848, 149 (not *Benson*).

1. LIMACINA RETROVERSA.

Chemn. Conch. Cab. ix. 129. t. 113. f. 6972, 6973?
Fusus retroversus, *Flem. Mem. Wern.* iv. 498. t. 15. f. 2; *Brit. An.* 349; *Edin. Enc.* t. 12. f. 45; *Thorpe, Brit. Mar. Conch.* 201.
Spirialis Flemingii, *Forbes & Hanley, Brit. Moll.* ii. 384. t. 57. f. 4, 5.
Heterofusus reversus, *Flem. Mem. Wern.* iv. 498.
Scæa retroversa, *Philippi, Sic.* ii. 164, from *Fleming.*
? Scæa stenogyra, *Philippi, Moll. Sic.* ii. 164. t. 25. f. 20.
Peracle Flemingii, *Forbes, Rep. Brit. Assoc.* 1848, 249; *Jeffreys, Ann. N. Hist.* xx. 1847, 16.
? Peracle physoides, *Forbes, Rep. Brit. Assoc.* 1843, 132.
Limacina retroversa, *Gray, Cat. Moll. Pterop. Brit. Mus.* 33.
a—f. Isle of Skye. Presented by R. M'Andrew, Esq.
g—k. Arran.

2. LIMACINA MACANDREI.

?? Turbo lunaris, *Gmel. S. N.* 3587, from *Chemn. Conch. Cab.* ix. 128. t. 113. f. 971 (broken).
? Scæa lunaris, *Philippi, Moll. Sic.* ii. 164, from *Chemn.*
Spirialis MacAndrei, *Forbes & Hanley, Brit. Moll.* ii. 385. t. 57. f. 6, 7.
Limacina MacAndrei, *Gray, Cat. Moll. Pterop. Brit. Mus.* 33.
Inhab. South of Ireland; *M'Andrew.*

3. LIMACINA JEFFREYSII.

Spirialis Jeffreysii, *Forbes & Hanley, Brit. Moll.* ii. 386. t. 57. f. 8.
Limacina Jeffreysii, *Gray, Cat. Moll. Pterop. Brit. Mus.* 32.
Inhab. British Channel; *Jeffreys.*

REPUTED BRITISH SPECIES.

THIS List contains not only the reputed *British species*, but all those which have been erroneously considered as indigenous by various writers on British Shells, either by assuming species to be natives which are not so, or from false references.

The habitats of the species are given, followed by an indication of the authority for their introduction into the Fauna.

1. DIONE CIRCINATA.

Venus circinata, *Born, Mus. Cæs.* 61. t. 4. f. 8; *Chemn. Conch. Cab.* vi. 312. t. 30. f. 311; *Dillw. Rec. Shells*, i. 169.

Venus Guineensis, *Gmel. Syst. Nat.* 3270; *Turton, Conch. Dict.* 237; *Born, Mus.* t. 4. f. 3; *Chemn.* f. 311, 312; *Mont. Test. Brit. Supp.* 48 & 168; *Dorset Cat.* 35.

Chione circinata, *Gray, Analyst*, 1838, 305.

Cytherea Guineensis, *Lamk. Hist.* 2nd ed. vi. 311; *Turt. Brit. Biv.* 161; *Flem. Brit. An.* 445; *Thorpe, Brit. Mar. Conch.* 84; *Hanley, Recent Shells*, 100.

Cytherea circinata, *Forbes & Hanley, Brit. Moll.* i. 399.

Enc. Méth. Vers, t. 265. f. 1.

Inhabits the South Atlantic Ocean. Introduced by Montagu, as taken in the Firth of Forth by Mr. Laskey.

a. "Weymouth." From the Collection of Colonel Montagu.

2. CHIONE PALLIDA.

Venus pallida, *Turton, Brit. Biv.* 150. t. 10. f. 5; *Flem. Brit. An.* 448; *Thorpe, Brit. Mar. Conch.* 90; *Forbes & Hanley, Brit. Moll.* i. 422.

Inhab. ——? One worn specimen is said, by *Turton*, to have been taken at Dawlish.

3. CHIONE GRANULATA.

Venus granulata, *Gmelin, S. N.* 3277; *Donov. B. S.* iii. t. 83; *Mont. T. B.* 122; *Linn. Trans.* viii. 85; *Turt. Conch. Dict.* 240, & *Brit. Biv.* 145; *Brit. Faun.* 158. no. 270; *Dillw. Rec. Shells*, 171; *Flem. Brit. An.* 447; *Thorpe, Brit. Mar. Conch.* 88; *Ind. Test.* t. 7. f. 29; *Lamk. Hist.* 2nd ed. vi. 344; *Hanley, Rec. Shells*, i. 114. t. 7. f. 29; *Forbes & Hanley, Brit. Moll.* i. 425.

Venus Marica, *Born, Mus. Cæs.* 59. t. 4. f. 5, 6 (not *Linn.*).

Venus Marica, spuria, *Chemn. Conch. Cab.* vi. 314. t. 30. f. 313.

Inhab. West Indies. Said to have been taken in Cornwall, *Donovan.* Falmouth (dead); *Montagu.*

4. CHIONE DYSERA.

Venus Dysera, *Linn. S. N.* 1130; *Chemn. Conch. Cab.* vi. 294. t. 28. f. 287–289; *Turt. Conch. Dict.* 237; *Brit. Biv.* 147. t. 9. f. 4; *Mont. T. B. Supp.* 43; *Flem. Brit. An.* 447; *Reeve, Conch. Syst.* t. 68. f. 2.

V. cingenda, *Dillw. R. S.* i. 161; *Ind. Test.* t. 7. f. 6.

V. cancellata, *Gronov. Zooph.* fasc. 3. t. 1. f. 8. no. 1149. p. 270; *Lamk. Hist.* 2nd ed. vi. 341; *E. M. Vers,* t. 268. f. 1; *Hanley, Rec. Shells,* 112. t. 7. f. 6; *Forbes & Hanley, Brit. Moll.* i. 425 (not *Don.*).

Venus elevata, *Say, Journ. Ac. Sc. Phil.* ii. 272.

List. Conch. t. 277, 278.

Inhab. W. Indies. Said to have been found in the Firth of Forth by Mr. Laskey; *Montagu.* Guernsey; *Turton.* Birkenhead (from ballast); *Forbes & Hanley.*

5. CHIONE PAPHIA.

Venus Paphia, *Linn. S. N.* 1129; *Dillw. Rec. Shells,* i. 159; *Chemn.* vi. 267. t. 27. f. 274–276; *Ind. Test.* t. 7. f. 2; *Desh. in Lamk. Hist.* ed. 2. vi. 371; *Hanley, Rec. Shells,* i. 112; *Forbes & Hanley, Brit. Moll.* i. 425.

Pectunculus Vetula, *Da Costa, B. Conch.* 190. t. 13. f. 5.

Lister, Hist. Conch. t. 279; *Knorr, Verg.* ii. t. 28. f. 2; *Regenfuss, Choix Coq.* t. 7. f. 11.

Inhab. West Indies. Introduced as British, by *Da Costa,* in a mistake.

6. CHIONE SUBCORDATA.

Venus subcordata, *Mont. T. B.* 121. t. 3. f. 1; *Linn. Trans.* viii. 82; *Turton, Conch. Dict.* 237; *Brit. Biv.* 145; *Brit. Faun.* 158. no. 269; *Flem. Brit. An.* 447; *Thorpe, Brit. Mar. Conch.* 87; *Ind. Test.* t. 7. f. 16; *Dillw. Rec. Shells,* i. 166; *Forbes & Hanley, Brit. Moll.* i. 423.

Crassina subcordata, *Gray, Ann. Phil.* 1825.

Venus radiata, *Chemn.,* immature state?; *Forbes & Hanley, l. c.* 423.

Inhab. W. Indies. One specimen, taken at Falmouth, in sand; *Montagu.*

a. "Britain." Mus. Mont.

7. ? VENUS SUBRHOMBOIDEA.

Venus subrhomboidea, *Mont. T. B. Supp.* 49. t. 28. f. 2; *Turt. Conch. Dict.* 246; *Laskey, Wern. Mem.* i.; *Flem. Brit. An.* 448; *Forbes & Hanley, Brit. Moll.* i. 426.

Crassina subrhomboidea, *Turt. Brit. Biv.* 129.
Inhab. ——? A single specimen is recorded to have been dredged off St. Abb's Head by Mr. Laskey; *Montagu.*

8. CAPSA DEFLORATA.

Venus deflorata, *Linn. S. N.* ed. 12. 1133. no. 132; *Gmel.* 3274. no. 24; *Penn. Brit. Zool.* ed. 4. iv. 82. t. 57. f. 54; *Turt. Brit. Faun.* 158. no. 271; *Schroeter, Einl.* iii. 131. no. 21; *Chemn. Conch.* vi. t. 9. f. 79; *Brooks, Introd. Conch.* 66. t. 3. f. 28; *Dillw. R. S.* i. 186. no. 65.
Venus versicolor, *Gmel.* 3281. no. 63.
Venus purpurata, *Gmel.* 3289. no. 100.
Sanguinolaria rugosa, *Lamk. Hist.* v. ed. 2. vi. 170; *Desh. Enc. Méth.* iii. 925. no. 1.
Psammobia rugosa, *Sow. Gen. Psammob.* f. 1.
Lister, Conch. t. 425. f. 272, 273; *Knorr, Vergn.* ii. t. 20. f. 5, v. t. 2. f. 2; *Enc. Méth.* t. 231. f. 3, 4.
Inhab. Indian Ocean. Introduced as British upon the authority of *Pennant.*

9. SPHÆRIUM LACUSTRE.

Cyclas lacustris, *Drap. Moll. Ter. et Fluv. France,* 130. t. 10. f. 6, 7; *Turt. Man. Land & Freshwater Shells,* 14. t. 1. f. 4; 2nd edit. *Gray,* 17. t. 1. f. 4; *Lamk. A. s. V.* 2nd ed. vi. 268; *Pfeiff. Deutsch. Land und Sussw. Moll.* i. 122. t. 5. f. 6, 7; *Kickx, Moll. Brab.* 88; *Gras, Moll. terr. et fluv. France, App.* 23 (from *Drap.*); *Forbes & Hanley, Brit. Moll.* ii. 118.
Inhab. France. "Exmouth;" *Jeffreys.*

10. CARDIUM SERRATUM.

Cardium serratum, *Linn. S. N.* ed. 12. 1123; *Flem. Brit. An.* 423; *Dillw. R. S.* 124; *Chemn. Conch. Cab.* vi. 193. t. 18. f. 189; *Mawe, Conchol.* t. 7. f. 2; *Hanley, Rec. Shells,* i. 133; *Reeve, Conch. Icon. Card.* t. 1. f. 1; *Forbes & Hanley, Brit. Moll.* ii. 39.
Cardium lævigatum, *Spengler, Mag. Berl. Ges. Nat.* ii. 125; *Lamk. H.* n. 26, ed. 2. vi. 403; *Thorpe, Brit. Mar. Conch.* 99.
Card. citrinum, *Wood, G. Conch.* t. 54. f. 3; *Turton, Bivalves,* 492. t. 13. f. 5.
Inhab. West Indies. Introduced by *Dr. Fleming* by mistake for C. lævigatum of *Turton.*

11. CARDIUM MEDIUM.

Cardium medium, *Linn. S. N.* 1122; *Chemn. Conch.* vi. 169. t. 16. f. 162, 163; *Don. B. S.* i. t. 32. f. 1; *Mont. T. B.* 83; *Linn. Trans.* viii. 61; *Wood, Gen. Conch.* 211. t. 50. f. 3; *Turt. Conch.*

Dict. 32; *Lamk. Hist.* v. n. 40, ed. 2. vi. 409 = *E. M.* t. 296. f. 1; *Flem. Brit. An.* 422; *Chemn. Conch. Cab.* vi. 169. t. 16. f. 162, 163; *Dillw. Rec. Shells*, i. 113; *Mawe, Conchol.* t. 7. f. 1; *Hanley, Rec. Shells*, i. 141; *Reeve, Conch. Icon. Card.* t. 6. f. 30; *Forbes & Hanley, Brit. Moll.* ii. 39.
List. Conch. t. 316. f. 153.
Inhab. West Indies. Introduced by *Donovan*, probably in mistake for *C. exiguum*.

12. CARDIUM MURICATUM.

Cardium muricatum, *Linn. S. N.* ed. 12. 1123; *Fleming, Brit. An.* 421; *Chemn. Conch. Cab.* vi. 185. t. 17. f. 177; *Brug. Enc. Méth. Vers*, i. 233; *Wood, Gen. Conch.* 216. t. 51. f. 2, 3; *Dillw. Rec. Shells*, i. 120; *Lamk. Hist.* ed. 2. vi. 399; *Ind. Test.* t. 5. f. 14; *Hanley, Rec. Shells*, i. 132. t. 5. f. 114; *Reeve, Conch. Icon. Card.* t. 6. f. 33?; *Forbes & Hanley, Brit. Moll.* ii. 40.
Inhab. West Indies. Introduced by *Dr. Fleming*, from a specimen probably brought in ballast to Leith.

13. CARDIUM GRŒNLANDICUM.

Cardium Grœnlandicum, *Chemn. Conch.* vi. 202. t. 19. f. 198; *Spengler, Skrivt. Naturh. Selsk.* v. pt. 1. 46; *Mag. Berl. Ges. Naturf.* ii. 126; *Wood, Gen. Conch.* 227; *Lamk. Hist.* 2nd ed. vi. 407; *Gould, Invert. Mass.* 92; *Dekay, New York Moll.* 206. t. 23. f. 250; *Dillw. Rec. Shells*, i. 129; *Ind. Test.* t. 5. f. 28; *Hanley, Rec. Shells*, i. 134; *Reeve, Conch. Icon. Card.* t. 10. f. 53; *Forbes & Hanley, Brit. Moll.* ii. 39; *Mindendorff, Mal. Rossica*, iii. 41. t. 16. f. 69; *Beck, Gaim. Voy. Island*, t. 15.
Cardium boreale, *Reeve, Conch. Icon.* t. 22. f. 131, young.
Venus Islandica, *O. Fab. F. Grœn.* 411 (fide *Möll.*).
Mactra radiata, *Don. B. S.* v. t. 161; *Turt. Conch. Dict.* 80; *M. & R. Linn. Trans.* viii. 69; *Dillw. Rec. Shells*, i. 138.
Cardium anodonta, *Blainv. Man. Mal.* 658.
Cardium edentulum, *Solander, MSS.*; *Mont. T. B. Supp.* 29; *Flem. Brit. An.* 423; *Sow. Gen. Shells, Card.* f. 2.
Aphrodita Columba, *Lea, Amer. Phil. Trans.* v. 110. t. 18. f. 54.
Inhab. North Sea. Taken, after a storm, by *Mr. Laskey*, near Portsmouth; *Donovan*.
a. "Britain.".

14. SPISULA FRAGILIS.

Mactra fragilis, *Chemn. Conch. Cab.* vi. 236. t. 24. f. 235; *Turt. Brit. Biv.* t. 4. f. 10; *Flem. B. An.* 428; *Thorpe, Brit. Mar. Conch.* 48; *Dillw. R. S.* i. 144; *Conrad, Amer. Mar. Conch.* t. 14. f. 3; *Forbes & Hanley, Brit. Moll.* i. 368.

Mactra dealbata, *Pultn. Hutchins' Hist. Dors.* 31; *Mont. Test. Brit.* 95. t. 5. f. 1; *Linn. Trans.* viii. 68. t. 1. f. 10; *Dorset Cat.* 32. t. 7. f. 7; *Turt. Conch. Dict.* 80; *Brit. Faun.* 154. no. 242; *Flem. B. An.* 428; *Brown, Ill. C. G. B.* 107. t. 41. f. 8, 9.

Mactra Braziliana, *Lamk. A. s. V.* ed. 2. vi. 106; *Hanley, Rec. Shells,* 31; *Supp.* t. 10. f. 60.

Spisula fragilis, *Gray, Loud. Mag. N. H.* i. 374, 1837.

Inhab. America. Introduced by *Dr. Pulteney* as a native of Dorset.

a. "Firth of Forth." Mus. Laskey.

15. PAPHIA CORNEA.

Mactra cornea, *Poli, Test. Sic.* ii. t. 19. f. 8–11.

Donax plebeia, *Pulteney, Hutchins' Dorset,* 32; *Mont. T. B.* 107. t. 5. f. 2; *Dorset Cat.* 34. t. 5. f. 13; *Turt. Conch. Dict.* 42; *Brit. Biv.* 126; *Brit. Faun.* 156. no. 253; *Flem. Brit. An.* 434; *Dillw. Rec. Shells,* i. 152; *Ind. Test.* t. 6, *Donax,* f. 9.

Erycina plebeia, *Sow. Gen. Shells, Erycina,* f. 3; *Conch. Man.* f. 86.

Mesodesma Donacilla, *Desh. Lamk. Hist.* 2nd edit. vi. 133; *Thorpe, Brit. Mar. Conch.* 53; *Reeve, Conch. Syst.* t. 45. f. 5; *Hanley, Rec. Shells,* 39; *Supp.* t. 11. f. 41; *Philippi, Moll. Sic.* ii. 29; *Desh. Exp. Sc. Alger. Moll.* t. 39–42, shell & animal.

Amphidesma Donacilla, *Lamk. Hist.* ed. 2. vi. 126.

Donacilla Lamarckii, *Philippi, Moll. Sic.* i. 37.

Tellina variegata γ, *Gmel.* 3237=*Lister,* t. 389. f. 288.

Peronæa ramosa=Peronæoderma cornea, *Poli,* ii. 252, 258.

Mesodesma cornea, *Forbes & Hanley, Brit. Moll.* i. 348.

Inhab. Mediterranean. Introduced by *Dr. Pulteney* as taken at Weymouth.

a—*e*, odd valves. "Britain." Mus. Mont. from Mus. Pulteney.

16. PAPHIA DEAURATA.

Mactra deaurata, *Turt. Brit. Biv.* 71. t. 5. f. 8; *Flem. B. An.* 427.

Mesodesma deauratum, *Thorpe, Brit. Mar. Conch.* 53; *Hanley, Rec. Shells,* 39; *Supp.* t. 1, *Mactra,* f. 9; *Forbes & Hanley, Brit. Moll.* i. 346.

Mactra denticulata, *Gray, in Wood's Ind. Test. Supp.* t. 1, *Mactra,* f. 9.

Erycina denticulata, *Gray, Ann. Philos.* 1825; *Griff. A. K.* t. 22. f. 2.

Mesodesma Jauresii, *De Joannis, Mag. Zool.* 1834, *Moll.* t. 54; *Gould, Invert. Mass.* 58. f. 38; *Dekay, New York Moll.* 231.

Inhab. N. America, mouth of the St. Lawrence. Introduced by *Turton* as dredged off Exmouth.

17. ERVILIA NITENS.

Mya nitens, *Mont. T. B. Supp.* 165; *Laskey, Wern. Trans.* i. 375. t. 8. f. 4; *Turt. Conch. Dict.* 103; *Wood, Gen. Conch.* 101; *Dillw. Rec. Shells*, i. 47.

Ervilia nitens, *Turt. Brit. Biv.* 56. t. 19. f. 4; *Flem. B. An.* 431; *Thorpe, Brit. Mar. Conch.* 5; *Recluz, Mag. Soc. Cuv.* 1845, *Moll.* t. 96, *& in Chenu, Ill. Conch. Ervilia*, 3; *Sow. Conch. Man.* f. 497; *Hanley, Rec. Shells*, 43; *Philippi, Wiegm. Arch. f. Naturg.* 1847, t. 3. f. 9; *Forbes & Hanley, Brit. Moll.* i. 344.

Amphidesma? nitens, *Gray, Ann. Phil.* 1825.

Amph. purpurascens, *Lamk. Hist.* 2nd ed. vi. 129; *Hanley, Recent Shells*, i. 43.

Syndosmya purpurascens, *Recluz, Rev. Zool.* 1843, 365.

Inhab. West Indies. Introduced by *Montagu*, on the authority of Mr. Laskey, as taken near Dunbar.

18. ERVILIA CASTANEA.

Donax castanea, *Mont. T. B.* 573. t. 17. f. 2; *Linn. Trans.* viii. 77; *Turt. Conch. Dict.* 42; *Dillw. Rec. Shells*, i. 152; *Ind. Test.* t. 6, *Donax*, f. 10.

Capsa castanea, *Turt. Brit. Biv.* 128. t. 10. f. 13; *Flem. Brit. An.* 434; *Brown, Ill. Conch. G. B.* 96. t. 39. f. 12.

Mesodesma castanea, *Thorpe, Brit. Mar. Conch.* 54.

Ervilia castanea, *Recluz, Mag. de Zool.* 1845, t. 95, *& in Chenu, Ill. Conch. Ervilia*, p. 3; *Forbes & Hanley, Brit. Moll.* i. 341. t. 31. f. 5, 6.

Iphigenia? castanea, *Gray, P. Z. S.* 1847, 187.

Inhab. Red Sea. Single dead valves taken in deep water between Scilly and Cornwall; *Hanley*. Near Penzance; *MacAndrew*.

19. PSAMMOBIA LASKEYI.

Tellina Laskeyi, *Mont. T. B. Supp.* 28. t. 28. f. 3; *Turt. Conch. Dict.* 173; *Wood, Gen. Conch.* 179.

Psammobia Laskeyi, *Turt. Brit. Biv.* 89; *Flem. Brit. An.* 438; *Thorpe, Brit. Mar. Conch.* 63; *Brown, Ill. C. G. B.* 103. t. 39. f. 32; *Forbes & Hanley, Brit. Moll.* i. 281.

Inhab. W. Indies; *Humphreys*. Introduced by *Montagu*, as having been dredged by Mr. Laskey in the Firth of Forth.
a—e. "Britain." Mus. Mont.

20. TELLINA BIMACULATA.

Tellina bimaculata, *Linn. S. N.* 1120; *Da Costa, B. Conch.* 213; *Pultn. Hutch. Hist. Dorset*, 70; *Donov. B. S.* i. t. 19. f. 1; *Mont. T. B.* 69; *Linn. Trans.* viii. 57; *Dorset Cat.* 31. t. 5. f. 7; *Turt. Conch. Dict.* 178; *Brit. Faun.* 151. no. 212; *Brit.*

Biv. 104. t. 8. f. 5; *Flem. B. An.* 435; *Thorpe, B. Mar. Conch.* 68; *Chemn. Conch. Cab.* vi. 132. t. 13. f. 127, 132; *Dillw. R. S.* i. 101; *Lamk. A. s. V.* 2nd ed. vi. 207; *Ind. Test.* t. 4. f. 83; *Hanley, Sow. Thes. Conch.* i. 250. t. 56. f. 16, 19–22; *Forbes & Hanley, Brit. Moll.* i. 309.

Tellina sex-radiata, *Lamk. A. s. V.* 2nd ed. vi. 207; *Ind. Test. Supp.* t. 11. f. 37.

Inhab. W. Indies. Taken on the coasts of Clare and Cork, Ireland, *Ball*; Dublin, *Warren*; Cork and Waterford, *Thompson.* *a, b.* "Torbay, Devonshire." Presented by — Spencer, Esq.

21. TELLINA SIMILIS.

Tellina similis, Sow. Brit. Miscell. t. 75; Mont. T. B. Supp. 167; *Turt. Brit. Biv. 102; Philippi, Abbild. und Bes.* pt. 9. t. 5. f. 7; *Hanley, in Sow. Thes. Conch.* 285, *Tellina*, t. 57. f. 65.

Inhab. W. Indies. Introduced by *J. Sowerby*, as taken by Mr. Stokes at Brighton.

a—e. "Britain." From Mr. Sowerby's Collection.

22. RUPELLARIA SUBSTRIATA.

Venus substriata, *Mont. T. B. Supp.* 48. t. 29. f. 6; *Turt. Conch. Dict.* 245; *Brit. Biv.* 152; *Flem. Brit. An.* 448; *Thorpe, Brit. Mar. Conch.* 91.

Venerupis decussata, *Philippi, Moll. Sicil.* i. 22. t. 3. f. 5, ii. 20; *Desh. Exped. Algérie, Moll.* t. 66. f. 10–13, shell and animal; *Forbes & Hanley, Brit. Moll.* i. 159.

Inhab. Mediterranean Sea. Dredged off Isle of May, in Firth of Forth, by Mr. Laskey; *Montagu.* "Probably brought in ballast;" *Forbes & Hanley.*

23. PHOLAS STRIATA.

Pholas striata, *Linn. Syst. Nat.* 1111; *Mont. T. B.* 26 & 559; *Sow. Gen.* f. 2; *Forbes & Hanley, Brit. Moll.* i. 120; *Linn. Trans.* viii. 31; *Dorset Cat.* 27. t. 1. f. 7; *Turton, Dict.* 147; *Brit. Faun.* 146; *Brit. Bivalves*, 11; *Thorpe, Brit. Mar. Conch.* 31; *Wood, Gen. Conch.* 83. t. 16. f. 1–4; *Ind. Test.* t. 2. f. 7; *Brown, Ill. C.* 115. t. 49. f. 5, 8; *Mawe, Conch.* t. 3. f. 1; *Sow. Gen.* f. 1, 2; *Reeve, Conch. Syst.* t. 24. f. 2; *Rees' Cyclop. Shells*, t. 8.

Phol. nana, *Pulteney, Dorset*, 27, 1799; *Forbes & Hanley, Brit. Moll.* i. 119.

Ph. conoides, *Parsons, Phil. Trans.* lv. 1. t. 1; *Flem. Brit. An.* 457.

Pholas pusilla, *Linn. Syst. Nat.* 1111; *Don. B. Shells*, iv. t. 117; *Chemn.* viii. t. 102. f. 867–871; *Dillw. R. S.* i. 38; *Spengler, Skrivt. Naturf. Selsk.* ii. 95.

Pholas lignorum, *Spengler, Beschaft. Berl. Ges. Nat.* iv. t. 5 f. 1–5.

Pholas clavata, *Lamk. Hist.* ed. 2. 46 (not var. *c.*); *Encyc. Méth.* t. 170. f. 1, 2, 3; *Hanley, Rec. Shells*, 7.

a—c. "Devonshire." Presented by Mrs. Robinson.
d (*in situ*). Ditto. Ditto.
e, f. "Teignmouth." Presented by J. B. Harvey, Esq.

24. ? PHOLADIDEA SULCATA.

Pholas sulcata, *Brown, Ill. Conch. G. B.* 115. t. 48. f. 17, 18; *Forbes & Hanley, Brit. Moll.* i. 128.

Inhab. ——? A single valve, found at Dunbar; *Brown.*

25. TEREDO BIPENNATA.

Teredo bipennata, *Turt. Conch. Dict.* 184. f. 38–40; *Brit. Biv.* 15; *Flem. B. A.* 454; *Thorpe, Brit. Mar. Conch.* 28; *Brown, Ill. C. G. B.* 116; *Gray, Phil. Mag.* 1827, 411; *Hanley, Rec. Shells*, 4; *Supp.* t. 9. f. 51; *Forbes & Hanley, Brit. Moll.* i. 80. t. 4. f. 9–11.

T. navalis?, *Spengler, Skrivt. Nat. Selsk.* ii. pt. 1. t. 2. f. 1–3 A.

Inhab. Sumatra. In drift wood at Scarborough, *Bean*; Ireland, *W. Thompson*; *Ball.* British Channel, *Bulwer.*

a. "Britain." Presented by Mrs. Robinson.

26. MACHA DIVISA.

Solen divisus, *Speng. Skrivt. Nat. Selsk.* iii. 96, 1794; *O. Fab. Skrivt. Nat. Selsk.* iv. t. 10. f. 11, 12.

Solen bidens, *Chemn. Conch.* xi. 203. t. 198. f. 1939, 1795; *Hanley, R. S.* 16.

Solen fragilis, *Pulteney, Hutchins' Dorset*, 28, 1799; *Mont. T. B.* 51, 565; *Supp.* 26; *Dorset Cat.* 29. t. 4. f. 5; *Turton, Dict.* 163; *Flem. B. A.* 460; *Wood, Conch.* 126. t. 29. f. 4, 5; *Ind. Test.* t. 3, *Solen*, f. 11; *Dillw. Rec. Shells*, i. 65; *Thorpe, B. Mar. Conch.* 37; *Gould, Invert. Mass.* 31; *Conrad, Amer. Mar. Conch.* t. 4.

Psammobia tæniata, *Turt. Biv.* 85.

Solen centralis, *Say, Journ. Acad. Sci. Phil.* ii. 316.

Solenocurtus bidens, *Forbes & Hanley, Brit. Moll.* i. 265.

Inhab. West Indies. Introduced by *Dr. Pulteney* as found in Dorsetshire.

27. MACHA GIBBA.

Lister, Conch. t. 421. f. 265.

Solen gibbus, *Spengler, Skrivt. Nat. Selsk.* iii. 104, 1794.

Solen declivis, *Turton, Conch. Dict.* 164. t. 22. f. 80 (1819); *Flem. B. A.* 460; *Thorpe, Mar. Conch.* 37.

Solen Guineensis, *Chemn. Conch.* xi. 202. t. 198. f. 1927, 1795; *Wood, Conch.* 129.
Solen Caribæus, *Lamk. Hist.* v. 1818, ed. 2. vi. 58=*Ency. Méth.* t. 226. f. 1; *Hanley, Rec. Shells,* 14.
Psammobia declivis, *Turt. Biv.* 91.
Solecurtus Caribæus, *Gould, Invert. Mass.* 30; *Dekay, N. York Moll.* 243. t. 32. f. 302.
Solen Bouchardii, *Potiez, Gall. Moll.* ii. 261. t. 68. f. 4, 5.
Solenocurtus gibbus, *Forbes & Hanley, Brit. Moll.* i. 267.
Inhab. Atlantic Ocean. N. America; *Gould.* W. Indies. Introduced as from the Scilly Isles by *Dr. Turton.*

28. GLYCIMERIS ALDROVANDI.

Lister, Conch. t. 414.
Mya glycimeris, *Linn. S. N.* i. 11; *Born, Mus.* 20. t. 1. f. 8; *Chemn. Conch.* vi. 33. t. 3. f. 25; *Don. B. S.* iv. t. 143; *Mont. T. B. Supp.* 19; *Linn. Trans.* viii. 34; *Turton, Dict.* 107; *Wood, Conch.* 14. t. 25. f. 1; *Dillw. R. S.* i. 42.
Panopæa glycymeris, *Turton, Bivalves,* 42; *Desh. Elem. Conch.* t. 7. f. 1; *Brown, Ill. C.* t. 10*. f. 1.
P. Aldrovandi, *Lamk. Hist.* ed. 2. vi. 67; *Blainv. Man.* t. 80. f. 2; *Flem. B. A.* 462; *Crouch, Introd.* t. 3. f. 1; *Philippi, Moll. Sicil.* i. 7. t. 2. f. 2. ii. 6; *Hanley, Rec. Shells,* 18; *Valenc. Arch. Mus.* i. 9. t. 4. f. 1; *Chenu, Ill. Conch.* i. t. 1; *Elem.* 46. f. 144; *Forbes & Hanley, Brit. Moll.* i. 178.
Inhab. Mediterranean. Introduced as British, by *Donovan,* for the Panopæa Norvegica.

29. YOLDIA GLACIALIS.

Nucula truncata, *Brown, Ill. C. G. B.* t. 25. f. 19.
Nuc. glacialis, *Gray, in Parry's Voyage, & Wood, Cat. Supp.* t. arca, f. 6.
Leda truncata, *Forbes & Hanley, Brit. Moll.* ii. 233.
Inhab. the Arctic Sea. Introduced by *Capt. Brown.*

30. MYA UDDEVALLENSIS.

Mya Uddevallensis, *Forbes, Mem. Geol. Survey,* i. 407; *Hancock, Ann. N. H.* xviii. 337.
M. truncata, var., *Forbes & Hanley, Brit. Moll.* i. 168; *King, Ann. Nat. Hist.* xviii. 236.
Inhab. Greenland. Procured by *Mr. King* from a fishing-boat on coast of Northumberland.

31. MAGDALA PLICATA.

Mytilus plicatus, *Gmel. S. N.* 3358?; *Mont. T. B. Supp.* 70 (not *Chemn.*); *Laskey, Wern. Mem.* i. t. 8. f. 2; *Turton, Conch. Dict.* 114.

Saxicava plicata, *Turton, Bivalves*, 22.
Psammobia? plicata, *Jeffreys, Ann. & Mag. N. H.* xix. 314.
Anatina plicata, *Gray, Ann. Phil.* 1825.
Lyonsia plicata, *Forbes & Hanley, Brit. Moll.* i. 218.
Inhab. West Indies; *Guilding*. Skye (taken alive!); *Laskey*. Ryde; *Hanley*!

32. ASTARTE CASTANEA.

Astarte castanea, *Say, Amer. Conch.* t. 1; *Conrad, Am. Mar. Conch.* t. 17. f. 3; *Gould, Inv. Mass.* 76. f. 45; *Hanley, Rec. Shells, Supp.* t. 9. f. 27; *Philippi, Abbild.* ii. 57, *Astarte*, t. 1. f. 2; *Dekay, New York Moll.* 220. t. 28. f. 280; *Forbes & Hanley, Brit. Moll.* i. 470.
Crassina castanea, *Desh. in Lamk. Hist.* 2nd ed. vi. 258; *Hanley, Rec. Shells*, i. 88.
Venus castanea, *Say, Journ. Acad. N. S. Phil.* iv. 273.
Venus sulcata, *Mont. Test. Brit.* 131 (not Pectunc. sulcatus of *Da Costa*); *Mat. & Rack. Linn. Trans.* viii. 81. t. 2. f. 2; *Dillw. Rec. Shells*, i. 166.
Astarte sulcata, *Flem. Brit. An.* 439.
Crassina sulcata, *Brown, Ill. Con. G. B.* 96. t. 38. f. 10.
Inhab. N. America; United States. Common in British Cabinets.

33. LUCINA ORBICULARIS.

Venus orbicularis, *Mont. T. B. Supp.* 42. t. 29. f. 7; *Turt. Conch. Dict.* 241.
Cytherea orbicularis, *Flem. B. A.* 446.
Cyprina orbicularis, *Turt. Biv.* 138; *Hanley, Thorpe, M.C.* xxvii. 83.
Lucina orbicularis, *Forbes & Hanley, Brit. Moll.* ii. 62.
Inhab. W. Indies. Introduced by *Montagu* as taken at Dunbar by *Mr. Laskey*!

34. CODAKIA TIGRINA.

Venus tigerina, *Linn. S. N.* ed. 12. 1134; *Chemn. Conch. Cab.* vii. t. 37. f. 390, 391; *Pulteney, Hutchins' Dorset*, 34; *Mont. T. B.* 119. t. 4. f. 1; *Mat. & Rack. Linn. Trans.* viii. 86. t. 2. f. 5; *Dorset Cat.* 35. t. 1. f. 14; *Turt. Conch. Dict.* 240.
Cytherea tigerina, *Turt. Biv.* 164. t. 10. f. 12; *Flem. Brit. An.* 445.
Lucina tigerina, *Lamk. Hist.* 2nd ed. vi. 319 (not vars.); *Thorpe, Brit. Mar. Conch.* 76; *Desh. Elem. Conch.* t. 16. f. 4, 5; *Hanley, Rec. Shells*, 78; *Forbes & Hanley, Brit. Moll.* ii. 64.
Inhab. W. Indies. Introduced by *Dr. Pulteney* as taken at Weymouth, Studland and Poole.

35. UNIO BATAVUS.

Mya Batava, *Wood, Conch.* 403. t. 19. f. 1, 2.
Mysca Batava, *Turton, Man.* ed. 1. 20. f. 10 (cop. of *Wood*).

Mya pictorum, *Montagu, T. B.* 36; *Donov. B. S.* t. 176.
Unio batavus, *Gray, in Turton Man.* 2nd ed.
Inhab. Continent of Europe. Introduced by *Dr. Turton* as British, in mistake.

36. UNIO OVALIS.

Mya ovalis, *Mont. T. B.* 563; *Donov. B. S.* t. 89.
Mya ovata, *Wood, Conch.* 105. t. 19. f. 5.
Mysca ovata, *Turt. Biv.* 246; *Man.* ed. 1. 21. f. 12.
Unio Batava, *Lamk. Hist.* v. 78, 2nd ed. vi. 542; *Pfeiffer*, i. t. 5. f. 14.
Young shell elliptical ovate, *Pfeiffer*, ii. t. 2. f. 23.
Unio ovalis, *Gray, in Turton's Man.* 2nd ed.
Inhab. Continent of Europe. Introduced by *Montagu.*

37. ARCA NOÆ?

Arca Noæ, *Turton, Conch. Dict.* 9; *Brit. Biv.* 166; *Flem. Brit. An.* 397; *Thorpe, Mar. Conch.* 101; *Poli, Test. Sic.* ii. 128. t. 24; *Desh. Exp. Alger. Moll.* t. 120; *Mat. & Rack. Linn. Trans.* viii. 91; *Forbes & Hanley, Brit. Moll.* ii. 234 (note).
Inhab. Mediterranean. Introduced by *Dr. Turton.*

38. MYTILUS BIDENS.

Mytilus bidens, *Linn.* (not *Born* nor *Dillw.*) *S. N.* ed. 12. 115; *Desh. Lamk. Hist.* ed. 2. vii. 39; *Forbes & Hanley, Brit. Moll.* ii. 178.
Mytilus striatulus, *Schröter, Einleit. Conch.* iii. 449. t. 9. f. 16; *Turt. Mag. Nat. Hist.* vii. 350; *Thorpe, Brit. Mar. Conch.* 110; *Ind. Test.* t. 12. f. 19.
Perna striatula, *Retz. Nov. Gen. Test.* 21.
Mytilus exustus, *Lamk.* (not *Born, Gmelin,* nor *Dillw.*) *Hist.* 2nd ed. vii. 39; *Thorpe, Brit. Mar. Conch.* 22; *Desh. E. M. Vers, Supp.* ii. 559; *Hanley, Rec. Shells*, i. 244.
Lister, Hist. Conch. t. 366. f. 206; *Ency. Méth. Vers,* t. 220. f. 2 (?), 3, 4.
Inhab. W. Indies. Introduced by *Dr. Turton,* upon the authority of *Mr. Bean,* as having been found by him at Scarborough on floating timber.
a, b. "Scarborough." From the Collection of Mr. Bean.
c—h. Ditto.

39. MYTILUS CRENATUS.

Mytilus crenatus, *Lamk. Hist.* 2nd ed. vii. 38; *Willcox, Zool. Journ.* i. 590; *Report Brit. Assoc.* iii.; *Sowerby, Linn. Trans.*; *Gen. Shells, Myt.* f. 3; *Davies & Willcox, Ann. Phil.* 1825, 148; *Zool. Journ.* i. 584; *Reeve, Conch. Icon.* t. 102. f. 3;

Hanley, Rec. Shells, i. 244; *Brown, Ill. Conch.* t. 31. f. 1, 2, ed. 2. 77. t. 23. f. 1, 2; *Forbes & Hanley, Brit. Moll.* ii. 180. *Enc. Méth. Vers*, t. 217. f. 3.

Inhab. New Zealand, &c. Introduced by *Mr. C. Willcox* as naturalized at Portsmouth.

40. MYTILUS AFRICANUS.

Mytilus Africanus, *Chemn. Conch. Cab.* viii. 160. t. 83. f. 739–741; *Forbes & Hanley, Brit. Moll.* ii. 181.

Myt. Afer, *Gmel. S. N.* 3358; *Lamk. Hist.* ed. 2. vii. 44; *Hanley, Rec. Shells*, i. 248.

Myt. ungulatus (jun.), *Dillw. Rec. Shells*, i. 310; *Turt. Conch. Dict.* 111; *Brit. Faun.* 164. no. 308; *Flem. B. A.* 411.

Moule d'Afrique, *Blainv. Man. Malac.* t. 64. f. 2.

Enc. Méth. Vers, t. 218. f. 1; *Knorr, Délices des Yeux*, vi. t. 4. f. 1.

Inhab. Africa. Introduced by *Dr. Fleming*, adhering to vessels from African coast.

41. LITHODOMUS ARISTATUS.

Le Ropan, *Adans. Seneg.* 267. t. 19. f. 2.

Mytilus aristatus, *Soland. MSS.*; *Dillw. R. S.* i. 303 (1817); *Ind. Test.* t. 12, *Mytilus*, f. 8.

Mytilus lithophagus striatus, *J. Sow. Linn. Trans.* viii. 274. t. 6. f. 2 (1804).

Modiola caudigera, *Lamk. Hist.* 1st ed. vi. 116 (1819), 2nd ed. vii. 27; *Philippi, Abbild.* ii. 149, *Modiola*, t. 1. f. 5; *Hanley, Rec. Shells*, i. 238. t. 12, *Mytilus*, f. 8.

Lithodomus caudigerus, *Sow. Gen. Shells, Lithodomus*, f. 4; *Reeve, Conch. Syst.* t. 99. f. 4.

Lithodomus Lithophagus, *Flem. B. An.* 414; *Thorpe, M. C.* 111.

Callitriche lithodoma, and Callitrichoderma Lithophaga, *Poli*, ii. 254, 259.

Lithodomus aristatus, *Forbes & Hanley, Brit. Moll.* ii. 212. *Ency. Méth. Vers*, t. 221. f. 8.

Inhab. W. Africa and W. Indies. Occurs in limestone used for repairing roads near London. Very rare; *Thorpe.*

42. LITHODOMUS FUSCUS.

Mytilus fuscus, *Gmel. S. N.* 3359, from *Lister, Conch.* t. 359. f. 197; *Dillw. Rec. Shells*, i. 306; *Brown, Wern. Trans.* ii. 513; *Turton, Conch. Dict.* 113; *Linn. Trans.* iv. 297; *Ind. Test.* t. 12. f. 12.

Modiola cinnamomea, var., *Lamk. A. s. V.* 2nd ed. vii. 25.

Mod. fusca, *Deshayes, Lamk. l. c.* vii. 28; *Hanley, Rec. Shells*, i. 239. t. 12. f. 12.

Lithodomus fuscus, *Forbes & Hanley, Brit. Moll.* ii. 213.
Schröter, Einleit. Conch. iii. 459.
Inhab. E. Indies. Introduced by *Capt. Brown* as found at Sligo.

43. PINNA CARNEA.

Pinna carnea, *Gmel. S. N.* 3365; *Dillw. Rec. Shells*, i. 326; *Ind. Test.* t. 12, *Pinna*, f. 6; *Hanley, Rec. Shells*, i. 252. t. 12, *Pinna*, f. 6; *Forbes & Hanley, Brit. Moll.* ii. 259.
Pinna haud ignobilis, *Chemn. Conch. Cab.* viii. 212. t. 87. f. 769.
Pinn. saccata, *Schröter* (not *Linn.* nor *authors*), *Einleit. Conch.* iii. t. 9. f. 17.
Pinn. muricata, *Pulteney, Hutch. Dors. App.* 39; *Mont. Test. Brit.* 183. t. 5. f. 3; *Dorset Cat.* 41; *Turt. Conch. Dict.* 149; *Brit. Biv.* 224; *Flem. Brit. An.* 406.
Pinn. flabellum, *Lamk. Hist.* 2nd ed. vii. 61 (part.); *Knorr, Délices des Yeux*, pt. ii. t. 23. f. 1.
Inhab. W. Indies. Introduced by *Dr. Pulteney* as found on the Dorset coast.

44. PERNA ALATA.

Ala Corvi pendula, *Chemn. Conch. Cab.* vii. 253. t. 59. f. 581.
Ostrea alata, *Gmel. S. N.* 3339; *Dillw. Rec. Shells*, i. 283.
Ostrea perna, *Wood, Ind. Test.* t. 11. f. 78.
Perna obliqua, *Lamk. Hist.* 2nd ed. vii. 75; *Hanley, Rec. Shells*, i. 258.
Perna ephippium, *Sow.* (not *Lamk.*) *Gen. Shells; Perna*, f. 2; *Reeve, Conch. Syst.* t. 106. f. 2.
Crenatula Travisii, *Turt. Mag. N. Hist.* vii. 350. f. 47; *Brown, Ill. C. G. B.* 75. t. 23. f. 20.
Perna alata, *Forbes & Hanley, Brit. Moll.* ii. 260.
Knorr, Délices des Yeux, pt. vi. t. 21. f. 1.
Inhab. ——?

45. PECTEN JACOBÆUS.

Pecten Jacobæus, *Penn.* (not *Flem.*) *B. Z.* ed. 4. iv. 85. t. 60. f. 62; *Mont. T. B.* 144; *Da Costa*, 143; *Turt. B. Biv.* 207; *Brit. Faun.* 161. no. 189; *Hanley, Rec. Shells*, i. 269; *Brown, Ill. C. G. B.* 71. t. 24. f. 5; *Lamk. Hist.* 2nd ed. vi. 130; *Philippi, Moll. Sic.* i. 78, ii. 56; *Sow. Thes. Conch.* i. 46. t. 15. f. 107, 108. t. 17. f. 153; *Cuv. Règn. An.* ed. *Croch.* t. 75. f. 2; *Forbes & Hanley, Brit. Moll.* ii. 305.
Ostrea Jacobæa, *Linn. S. N.* 1144 (not *Turt.*); *Mus. Ulrich.* 522; *Pulteney, Dorset*, 36; *Don. B. S.* iv. t. 137; *Mat. & Rack. Linn. Trans.* viii. 97; *Dorset Cat.* 37. t. 13. f. 2; *Born*,

Mus. Cæs. 98; *Poli, Test. Sic.* ii. 149. t. 27; *Dillw. Rec. Shells*, i. 248.

P. Jacobi, *Chemn.* vii. 273. t. 60. f. 588, 589.

Argus calyculatus and Argoderma Jacobeus, *Poli*, ii. 254, 259.

List. Conch. t. 165. f. 2, t. 166. f. 3; *Enc. Méth. Vers*, t. 209. f. 2.

Inhab. the Mediterranean. Introduced by *Pennant*, as British, and said to be found at Weymouth by *Dr. Pulteney*. Cornwall and Scarborough, *Da Costa*.

a—e. "Britain?"

46. OSTREA CRISTA GALLI.

Mytilus Crista galli, *Linn. S. N.* 1155; *Montagu, T. B.* 166; *Mat. & Rack. Trans. Linn. Soc.* viii. 104; *Turt. Conch. Dict.* 109; *Brit. Faun.* 164. no. 313; *Born, Mus. Cæs.* 120; *Dillw. Rec. Shells*, i. 300.

Auris porci, *Chemn. Conch. Cab.* viii. 52. t. 75. f. 684.

Ostrea crista galli, *Lamk.* 2nd ed. vii. 234; *Sow. Gen. Shells, Ostrea*, f. 2; *Penny Cyclopæd.* xvii. 363; *Reeve, Conch. Syst.* t. 121. f. 2; *Cuv. R. An.* ed. *Croch.* t. 72. f. 3; *Chenu, Leç. Elem. Hist. Nat.* 108. f. 358; *Forbes & Hanley, Brit. Moll.* ii. 321.

Knorr, Délices des Yeux, pt. v. t. 16. f. 1.

Inhab. Asia. Introduced as taken alive on bottoms of ships by *Montagu*; *Turton*.

47. OSTREA FRONS.

Ostrea frons, *Chemn. Conch. Cab.* viii. 61. t. 75. f. 686; *Forbes & Hanley, Brit. Moll.* ii. 321.

Mytilus frons, *Linn. S. N.* 1155; *Born, Mus. Cæs.* 123, *Vign.* 6. p. 121; *Burrows, Elem. Conch.* t. 10. f. 4; *Dillw. Rec. Shells*, i. 301; *Ind. Test.* t. 12, *Mytilus*, f. 3.

Ostrea Crista Galli, *Mont.* (not *Lamk.*) *Test. Brit.* 160?; *Turt. Brit. Biv.* 202.

O. rubella, *Lamk. Hist. An. s. Vert.* 2nd ed. vii. 231; *Cuv. R. An.* ed. *Croch.* t. 72. f. 2.

O. limacella and erucella, *Lamk. Hist.* 2nd ed. vii. 231.

O. folium, *Sow. Gen. Shells, Ostrea*, f. 3; *Reeve, Conch. Syst.* t. 121. f. 3; *Sow. Conch. Man.* f. 181.

Argenville, Conch. t. 23. f. D.

Inhab. W. Indies. Introduced as taken alive on the bottom of a foreign vessel by *Turton*.

48. DISCINA OSTREOIDES.

Discina Ostreoides, *Lamk. Hist.* 2nd ed. vii. 297; *Thorpe, Brit. Mar. Conch.* 125.

Orbicula Norvegica, *Sow.* (not *Lamk.*) *Linn. Trans.* xiii. 468. t. 26. f. 2; *Sow. Gen. Shells, Orbicula*, f. 3, 4, 5; *Reeve, Conch. Syst.* t. 129. f. 3–5.
Crania (β), *Schum. Essai.*
Discina Norvegica, *Crouch, Introd. Conch.* t. 13. f. 2.
Orbicula striata, *Sow. Thes. Conch.* i. 366. t. 73. f. 8; *Forbes & Hanley, Brit. Moll.* ii. 368.
Inhab. ——? Found in ballast used to mend roads in the neighbourhood of London.

THE END.

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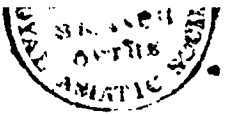

LIST

OF THE

SPECIMENS

OF

BRITISH ANIMALS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

FISH.

PRINTED BY ORDER OF THE TRUSTEES.

LONDON, 1851.

LONDON:
PRINTED BY EDWARD NEWMAN,
9, DEVONSHIRE ST., BISHOPSGATE.

INTRODUCTION.

THE principal object of the present Catalogue has been to give a complete list of the species of Fishes that have been recorded as found in Great Britain, indicating at the same time their localities, and the species that are contained in the Collection; the latter are indicated by the letters B. M. annexed.

The synonymy of this Catalogue has been chiefly collated by MR. ADAM WHITE.

JOHN EDWARD GRAY.

British Museum,
Sept. 26th, 1851.

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	Cottidæ.	
Cottus Gobio, 6	Cottus Scorpius, 6 Bubalis, 6 quadricornis, 7 Agonus cataphractus, 7	
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	Sebastes marinus, 8	
	Percidæ.	
Perca fluviatilis, 9 Gymnocephalus cernua, 12	Perca fluviatilis? 9 Labrax Lupus, 10 Serranus cabrilla, 11 Polyprion cernium, 12	Serranus gigas, 11

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	Trachinidæ.	
	Trachinus Draco, 13 Vipera, 13	
	Mullidæ.	
	Mullus surmuletus, 14 barbatus, 14	
	Sciænidæ.	
	Sciæna aquila, 16	Umbrina cirrhosa, 16
	Sparidæ.	
	Cantharus lineatus, 16 Chrysophrys aurata, 17 Pagrus vulgaris, 17 Pagellus erythrinus, 18 centrodontus, 18 acarne, 19	Pagrus orphus, 17 Dentex Johnsoni, 19 Boops boops, 20
	Labridæ.	
	Labrus berggylta, 20 mixtus, 21 Crenilabrus melops, 23 rupestris, 24 Acantholabrus exoletus, 25 Julis Julis, 26	? Labrus comber, 22 Crenilabrus pusillus, 24 Acantholabrus Couchii, 25 Yarrellii, 25
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	Mugil capito, 29	Mugil Chelo, 27 curtus, 28
	Bramadæ.	
	Brama Raii, 28	Brama pinna-squamata? 29
	Scomberidæ.	
	Scomber scombrus, 29	Scomber colias, 30 punctatus, 30
Gasterosteus aculeatus, 35 spinulosus, 36 pungitius, 36	Gasterosteus aculeatus? 35 pungitius? 36	Thynnus Thynnus, 30 Pelamys, 31 alalonga, 31
	Spinachia, 37	Pelamys sarda, 31
	Caranx trachurus, 37	Auxis Bisus, 32
		Lepidopus caudatus, 32
		Trichiurus lepturus, 33
		Xiphias gladius, 33
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	Zeus Faber, 38	Lampris guttatus, 38
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	Bogmarus arcticus, 40	Regalecus Glesne, 40

FRESH-WATER.	MARINE.	MARINE, OCCASIONAL VISITORS
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		Capros aper, 41
	Syngnathidæ.	
	Syngnathus acus, 42 Typhle, 42 æquoreus, 43 anguineus, 43 ophidion, 44 lumbriciformis, 44 Hippocampus brevirostris, 45	
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		Centriscus Scolopax, 45
	Blenniidæ.	
	Blennius Montagui, 46 ocellaris, 46 Gattorugine, 47 Pennantii, 47 Pholis lævis, 48 Centronotus Gunnellus, 48 Zoarces viviparus, 49 Anarrhichas Lupus, 50 Ophidium barbatum, 50 imberbe, 51	Echiodon Drummondii, 51

FRESH-WATER.	MARINE.	MARINE, OCCASIONAL VISITORS
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	Gobius niger, 52 Rutensparri, 52 minutus, 53 gracilis, 53 unipunctatus, 53 albus, 53	
	Cepola rubescens, 54	Cepola longicauda, 54
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* Some of the Cyprinidæ have been introduced, such as C. auratus and others.

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Leuciscus Dobula, 64 rutilus, 65 cephalus, 65 Leuciscus, 66 Lancastriensis, 66 erythrophthalmus, 66 cæruleus, 67 alburnus, 67 Phoxinus, 68 Cobitis barbatula, 69 Botia tænia, 69		
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Esox Lucius, 70	Belone vulgaris, 71 Scomberesox saurus, 71	Hemiramphus Europæus, 72 obtusus, 72 Exocætus volitans, 73 exiliens, 73
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Salmo Salar, 74 (Anadromous) Trutta, 75 (Anadromous) Eriox, 76 (Anadromous) Fario, 77 ferox, 78 umbla, 78 Thymallus vulgaris, 80 Coregonus Pennantii, 80 clupeoides, 81 albula, 81 Pollan, 81	Salmo Salar, 74 (Anadromous) Trutta, 75 (Anadromous) Eriox, 76, (Anadromous) Osmerus Eperlanus, 79 Hebridicus, 79 Scopelus Pennanti, 82	

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	Muræniдæ.	
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	Galeus Canis, 126	Sphyrnias Zygæna, 126
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	Myxine glutinosa, 145	
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Labrus
suillus. (Hog Wrasse, *Couch*)

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Mugil
cephalus verus?

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CATALOGUE

OF

BRITISH FISH.

Class PISCES.

Subclass I. PISCES OSSEI.

Poissons osseux, *Lacép. Dum. Zool. Anal.* 99, 1806.
Poissons proprement dits, *Cuv. R. A.* ii. 128.
Fish properly so called, *Rich. Fauna Bor.-Amer.* p. xii.
Osseous Fishes, *Flem. B. A.* 174.
Pisces Ossei, *Parn. Wern. Mem.* vii. 167.
Teleostei, *Müll. Wiegm. Arch.* 135, 1845.

Order I. ACANTHOPTERYGIA.

Acanthopterygii, *Artedi, Gen. Pisc.* 26, 1738. *Parn. Fish. Firth of Forth*, 7, 1838.
Acanthopterygiens, *Cuv. R. A.* ii. 131, 1829.
Acanthopterygia, *Latr. Fam. R. A.* 128. *Gray, Syn. Brit. Mus.* 148, 1842.
Holobranches, p., *Dum. Zool. Anal.* 97, 1806.
Acanthopteryge, *Swains. Lardn. Cab. Cycl.* ii. 167, 197, 1839.
Acanthopterygious Fishes, *Flem. B. A.* 174, 202.
Ctenoides, p., *Agassiz, Poiss. Foss.* iv.
Acanthopteri, p., *Müll. Wiegm. Arch.* 135, 1845.

Suborder I. DACTYLOPHORI.

Acanthopterygious Fish with the lower rays of the pectoral fin not branched, *Gray, Syn. B. M.* 1842, 136.

Fam. I. TRIGLIDÆ.

Decapterygii Thoracici, p., *Bloch, Schneid. Syst.* 24.
Octopterygii Thoracici, p., *Bloch, Schneid. Syst.* 27.
Joues cuirassées, p., *Cuv. R. A.* ii. 159, 1829.
Cantbileptes, *Swains. Lardn. Cab. Cycl. Fishes*, ii. 179.
Armigenæ, *Latr. Fam. R. A.* 138.
Dactylés, p., *Dum. Zool. Anal.* 131, 1806.
Dactipli, *Raf. Indice*, 28.
Loricati, p., *Jen. Man.* 308.
Triglidæ Triglini, *Bonap. Saggio*, 1831.
Cottoideæ, p., *Rich. Fauna Bor.-Amer.* 36.
Pareioplonidæ or Pareiopliteæ, *Rich. Fauna Bor.-Amer.* 36, (note).
Triglidæ, *Gray, Syn. Brit. Mus.* 148, 1842.
Scleroparei, p., *Troschel, Wiegm. Arch.* 233, 1844.
Cataphracti, *Müll. Wiegm. Arch.* 135, 1845.

1. TRIGLA.

Trigla, *Lacép. Poiss.*
Trigla, p., *Linn. Syst. Nat. Cuv. R. A.* ii. 159.

1. TRIGLA CUCULUS. Cuckoo Gurnard. B. M.

Trigla cuculus, *Linn. Syst. Nat.* i. 497, (not Bloch). *Cuv. & Val.* iv. 26. *Bonap. Icon. Fauna Ital.* iii. 58, t. f. 1. *Parn. Fish. Firth of Forth*, 14, t. 18. *Wern. Mem.* vii. 174.
Trigla Pini, *Bloch, Ichth.* pl. 355. *Bloch, Schneid. Ichth.* 14. *Jen. Man.* 338.
T. lineata, *Mont. Wern. Mem.* ii. 460. *Flem. Brit. An.* 215.
Cuckoo Gurnard, *Yarr. Brit. Fish.* 2 ed. i. 38.
Trigla hirundo, *Risso, Hist. Nat.* iii. 397, (nec auct).
Pine-leaved Gurnard, *Shaw, Nat. Misc.* xxii. pl. 954.
Red Gurnard, *Yarr. Brit. Fish.* i. 34.
Soldier, Cuckoo, Red Ellick, Gaverick. *Cornwall.*
Red Crooner. *Local name.*

HAB.—Coast.
Skins. English Coast and Firth of Forth.

2. TRIGLA LINEATA. Streaked Gurnard. B. M.

Trigla lineata, *Walb. Artedi*, iii. 373. *Gmel. Syst. Nat* i. pt. 3, 1345. *Bloch, Ichth.* pl. 354. *Bloch, Schneid. Syst. Ichth.* 13. *Don. Brit. Fish.* i. pl. 4. *Turton, Brit. Fauna*, 102. *Cuv. & Val. Poiss.* iv. 34. *Jen. Man.* 339. *Bonap. Fauna Ital.* iii. 58*, t. f. 2. *Yarr. Brit. Fish.* i. 46. *Id.* 2 ed. i. 45. *Parn. Fish. Firth of Forth*, 15, t. 19.
T. Adriatica, *Gmel. Syst. Nat* i. 1346. *Flem. Brit. An.* 215.
T. lastoviza, *Lacép. Poiss.* iii. 349.
Mullus imberbis, *Will. Syst. Pisc.* 278, tab. S. 1, f. 1.
Cuculus lineatus, *Ray, Syn. Pisc.* 165, f. 11.
Streaked Gurnard, *Penn. Brit. Zool.* iii. 246, n. 141, pl. 57, (lower fig.) *Id.* (edit. 1812), iii. 377, pl. 66.
French Gurnard. *Local name.*
Rock Gurnard. *Firth of Forth.*

HAB.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R. N.

3. TRIGLA HIRUNDO. Sapphirine Gurnard. B. M.

Trigla Hirundo, *Bloch, Ichth.* pl. 60. *Bloch, Schneid. Syst. Ichth.* 15. *Lacép. Poiss.* iii. 353. *Don. Brit. Fish.* i. pl. 1. *Flem. Brit. Anim.* 214. *Turton, Brit. Fauna*, 102. *Cuv. & Val. Poiss.* iv. 40. *Parn. Fish. Firth of Forth*, 16, t. 20. *Jen. Man.* 340. *Yarr. Brit. Fish.* i. 41. *Id.* 2 ed. i. 47.
T. lævis, *Mont. Wern. Mem.* ii. 455. *Flem. Brit. An.* 214. *Swains. Lardn. Cab. Cycl. Fishes*, ii. 420.
Tub-Fish, (Cornwall) *Will. Hist. Pisc.* 280, tab. P. 4.
Sapphirine Gurnard, *Penn. Brit. Zool.* iii. 245, n. 140, pl. 56, edit. 1812, iii. p. 376, pl. 68.
Red Tubs. *Cornwall.*
Smooth-side. *Local name.*

HAB.—Coast.
Skin. Devon. Presented by Lieut. H. F. Spence, R. N.

4. TRIGLA PŒCILOPTERA. Little Gurnard.

Trigla pœciloptera, *Cuv. & Val. Poiss.* iv. 47. *Yarr. Brit. Fish.* 2 ed. 49.
The Little Gurnard, *Thomp. Proc. Zool. Soc.* 61, 1837.

HAB.—Coast.

5. TRIGLA LYRA. Piper.

Trigla Lyra, *Linn. Syst. Nat.* i. 496. *Bloch, Ichth.* pl. 350. *Bloch, Schneid. Syst. Ichth.* 14. *Lacép. Poiss.* iii. 345. *Don. Brit. Fish.* v. pl. 118. *Turton, Brit. Fauna*, 102. *Flem. Brit. An.* 215. *Cuv. & Val.* iv. 55. *Jen. Man.* 341. *Yarr. Brit. Fish.* i. 44. *Id.* 2 ed. i. 51. *Bonap. Icon. Fauna Ital.* iii. 52, t. f. 2. *Parn. Fish. Firth of Forth*, 17, t. 21.

Piper, *Will. Hist. Pisc.* 282, tab. S. 1, f. 4. *Penn. Brit. Zool.* iii. 244, n. 139, pl. 55. *Id.* (edit. 1812), iii. 374, pl. 67.

HAB.—Coast.

6. TRIGLA GURNARDUS. Grey Gurnard. B. M.

Trigla Gurnardus, *Linn. Syst. Nat.* i. 497. *Bloch, Ichth.* 58. *Bloch, Schneid. Syst.* 14. *Lacép. Poiss.* iii. 358. *Don. Brit. Fish.* ii. pl. 30. *Turton, Brit. Fauna*, 102. *Flem. Brit. An.* 215. *Cuv. & Val. Poiss.* iv. 62. *Bonap. Icon. Fauna Ital.* iii. 102, t. f. 1. *Jen. Man.* 342. *Parn. Fish. Firth of Forth*, 18, t. 22. *Wern. Mem.* vii. 178. *Yarr. Brit. Fish.* i. 48. *Id.* 2 ed. i. 53.

Grey Gurnard, *Will. Hist. Pisc.* 279, tab. S. 2, f. 1. *Penn. Brit. Zool.* iii. 242, pl. 54. *Id.* (edit. 1812), iii. 371, pl. 65.

Crooner. *Scotland.*

Knoud, Nowd. *Ireland.*

HAB.—Coast.

Skins. English Coast and Firth of Forth. Presented by Dr. Parnell.

7. TRIGLA BLOCHII. Red Gurnard.

Trigla cuculus, *Bloch, Ichth.* pl. 59, (nec L.) *Bloch, Schneid. Syst.* 14. *Mont. Wern. Mem.* ii. 467. *Flem. Brit. An.* 215. *Cuv. & Val. Poiss.* iv. 67. *Jen. Man.* 343.

Trigla hirundo, *Brunn.* (nec L.)

Trigla grunniens, *Lacép. Poiss* iii. 359.

Trigla milvus, *Bonap. Icon. Fauna Ital.* iii. 52, t. f. 3?

Trigla rodinogaster, *Nardo, Prod. Ichth. Adriat.* sp. 77.

Trigla Blochii, *Yarr. Brit. Fish.* i. 50. *Id.* 2 ed. i. 56. *Parn. Fish. Firth of Forth*, 21, t. 23. *Wern. Mem.* vii. 181.

Trigla gurnardus (young), *Parn. Wern. Mem.* vii. 182.

Red Gurnard, *Penn. Brit. Zool.* iii. 243, n. 138, pl. 57. *Id.* (edit. 1812), iii. 373, pl. 66.
Rotchet. *Local name.*

HAB.—Coast.

8. TRIGLA LUCERNA. Long-finned Captain.

Cuculus, *Rondelet. Lat. Edit.* 287.
Rouget, *Rondelet. Fr. Edit.* 227.
Trigla obscura, *Linn. Mus. Ad. Fred.* ii. 94. *Bonap. Icon. Fauna Ital.* iii. 102, t. f. 1.
Trigla lucerna, *Brunnich, Ichth. Massil.* 76* *Risso, Ichth.* 209.
Trigla milvus, *Lacép. Poiss.* iii. 362.
Trigla filaris, *Otto, Consp.* 7.
Trigla lucerna, *Cuv. & Val. Poiss.* iv. 72. *Parn. Mag. Zool. and Bot.* i. p. 526. *Yarr. Brit. Fish.* 2 ed. i. 63. *Parn. Fish. Firth of Forth*, 23, t. 24.

HAB.—Coast.

2. PERISTEDION.

Peristedion, *Lacép. Poiss.* iii. 368, 1802. *Cuv. R. A.* 161.
Trigla, p., *Linn.*

1. PERISTEDION CATAPHRACTUM. Mailed Gurnard.

Malarmat, *Belon.* 209. *Cuv. R. A.* ii. 161.
Cornutus, sive Lyra altera, *Rondelet. Lat. Edit.* 299.
Forchato, Malarmat, *Rondelet. Fr. Edit.* 237.
Lyra altera, *Willoughby*, 283, tab. S. 3.
Trigla Hispanorum Chabrontera, *Osbeck, Nov. Act. Nat. Cur.* iv. 201.
Trigla hamata, *Bloch, Schneid. Syst. Ichth.* 16.
Trigla cataphracta, Malarmat, *Brunnich*, 72.
Malarmat, *Duhamel*, iii. *Sect.* 5, p. 113, pl. 9, f. 2.
Trigla cataphracta, *Bloch, Ichth.* x. pl. 349. *Bloch, Schneid. Syst. Ichth.* 16.
Peristedion malarmat, *Lacép. Poiss.* iii. 369. *Cuv. & Val. Poiss.* iv. 101.
Mailed Gurnard, *Moore, Mag. Nat. Hist.* i. *N. S.* 17. *Yarr. Brit. Fish.* 2 ed. i. 67.

HAB.—Mediterranean and British Coast.

Fam. II. COTTIDÆ.

Cottidæ, *Gray, Syn. Brit. Mus.* 148, 1842.
Joues cuirassées, p., *Cuv. R. A.* ii.
Cephalotes, *Dum. Zool. Anal.* 131.
Triglidæ Cottini, *Bonap. Saggio*, 1831.
Cottoideæ, p., *Rich. Fauna Bor.-Amer.* 36.
Cottus, *Linn. Cuv. R. A.* ii. 162.

1. COTTUS.

Cottus, *Linn. S. N. Cuv. R. A.* ii. 162.
Myoxocephalus, p., *Tilesius, Mem. Acad. Petersb.* iv.

1. Cottus Gobio. River Bull-head. B. M.

Cottus Gobio, *Linn. Syst. Nat.* i. 452. *Bloch, Ichth.* pl. 39, f. 2. *Lacép. Poiss.* iii. 252. *Don. Brit. Fish.* iv. pl. 80. *Flem. Brit. An.* 216. *Turton, Brit. Fauna*, 94. *Cuv. & Val. Poiss.* iv. 145. *Jen. Man.* 343. *Wright, Fries & Eckstr. Skand. Fisk.* 34, t. 7, f. 2. *Yarr. Brit. Fish.* i. 56. *Id.* 2 ed. i. 71.
Bull-head or Miller's Thumb, *Will. Hist. Pisc.* 137, tab. H. 3, f. 3.
River Bull-head, *Penn. Brit. Zool.* iii. 189, n. 97, pl. 39. *Id.* (edit. 1812), iii. 291, pl. 43.
Tommy Logge. *Local name.*

Hab.—Fresh water.
In spirits. Devon and neighbourhood of London. Presented by W. Yarrell, Esq.

2. Cottus Scorpius. Sea-Scorpion. B. M.

Cottus Scorpius, *Bloch, Ichth.* pl. 40. *Bloch, Schneid. Syst. Ichth.* 61. *Lacép. Poiss.* iii. 236. *Don. Brit. Fish.* ii. pl. 35. *Flem. Brit. An.* 216. *Turton, Brit. Fauna*, 95. *Cuv. & Val. Poiss.* iv. 160. *Wright, Fries & Ekstr. Skand. Fisk.* 23, t. 5, f. 1, 2. *Jen. Man.* 344. *Parn. Fish. Firth of Forth*, 23. *Wern. Mem.* vii. 183.
Sea-Scorpion, *Yarr. Brit. Fish.* i. 60. *Id.* 2 ed. i. 75.
Sea Bull-head. *Scotland.*
Short-spined Cottus, *Parnell.*

Hab.—Coast.
Skins and in spirits. Devon, &c. Presented by Lieut. H. F. Spence, R. N., and W. Yarrell, Esq., Firth of Forth.

3. COTTUS BUBALIS. Four-spined Father-lasher. B. M.

Cottus Bubalis, *Euphr. Act. Acad. Stockh.* vii. 64, t. 3, f. 2, 3, 1786. *Bloch, Schneid. Syst. Ichth.* 62. *Cuv. & Val. Poiss.* iv. 165, pl. 78. *Cuv. R. A.* ii. 163. *Yarr. in Zool. Journ.* iv. 470, *Wright, Fries. & Ekstr. Skand. Fisk.* 27, t. 6, f. 1, 2. *Jen. Man.* 345. *Yarr. Brit. Fish.* i. 63. *Id.* 2 ed. i. 78. *Parn. Fish. Firth of Forth.* 25.

Father-lasher, *Will. Hist. Pic.* 138, tab. H. 4, f. 3. *Penn. Brit. Zool.* iii. 191, pl. 40. *Id.* (edit. 1812), iii. 294.

Oblong Bull-head, *Analyst.*

Long-spined Cottus, *Parnell.*

Lucky Roach. *Scotland.*

HAB.—Coast.

Skins and in spirits. Devon, Berwick-upon-Tweed, &c. Presented by Lieut. H. F. Spence, R. N., F. W. L. Ross, Esq. and Dr. G. Johnston.

4. COTTUS QUADRICORNIS. Four-horned Father-lasher. B. M.

Cottus quadricornis, *Linn. Syst. Nat.* i. 451. *Pallas, Spic. Zool.* viii. 25. *Bloch, Ichth.* pl. 108. *Bloch, Schneid. Syst. Ichth.* 62. *Lacép. Poiss.* iii. 241. *Cuv. & Val. Poiss.* iv. 168. *Cuv. R. A.* ii. 163. *Jen. Man.* 345. *Wright, Fries & Ekstr. Skand. Fisk.* 30, t. 7, f. 1.

Four-horned Cottus, *Yarr. Brit. Fish.* i. 168. *Id.* 2 ed. i. 83.

HAB.—English Channel, Mouth of Thames.

In Spirits. London Market, with sprats. Presented by J. E. Gray, Esq.

2. AGONUS.

Agonus, *Bloch, Schneid. Syst. Ichth.* i. 104, 1801.

Aspidophorus, *Lacép. Poiss.* iii. 221, 1802. *Cuv. R. A.* ii. 163.

Cottus, p., *Linn. Syst. Nat.*

Phalangista, *Pallas, Zoogr. Ross.* iii. 1811.

Cataphractus, *Flem. Brit. An.* 216, 1828.

1. AGONUS CATAPHRACTUS. Armed Bull-head. B. M.

Cottus cataphractus, *Linn. Syst. Nat.* i. 451. *Bloch, Ichth.* pl. 39, f. 1. *Don. Brit. Fish.* i. pl. 16. *Turton, Brit. Fauna,* 95.

Agonus cataphractus, *Bloch, Schneid. Syst. Ichth.* 104. *Nils. Syn.* 95.

Cataphractus Schoneveldii, *Flem. Brit. An.* 216.
Aspidophorus armatus, *Lacép. Poiss.* iii. 222.
Aspidophorus europæus, *Cuv. & Val. Poiss.* iv. 201. *Yarr. Brit. Fish.* 2 ed. i. 85. *Parn. Fish. Firth of Forth*, 28. *Wern. Mem.* vii. 188.
Cottus (Asp.) Europæus, *Rich. Fauna Bor.-Amer.* 48.
Aspidophorus cataphractus, *Jen. Man.* 346. *Ekstr. in Wright, Skand. Fisk.* 167, t. 40.
Pogge, *Will. Hist. Pisc.* 211, tab. N. 6, f. 2 & 3.
Armed Bull-head, *Penn. Brit. Zool.* iii. 190, pl. 39. *Id.* (edit. 1812), iii. 293, pl. 43. *Yarr. Brit. Fish.* i. 70.
Aspidofory, *Analyst.*
Shell-backed Bull-head. *Local name.*
Armed Bull-head, Pogge, Lyrie, Sea Poacher, Pluck, Noble. *Local names.*

Hab.—Coast.
Skins and in spirits. Devon. Presented by Lieut. Spence, R. N., and from the Firth of Forth.

Fam. III. SCORPÆNIDÆ.

Scorpænidæ, *Gray, Syn. Brit. Mus.* 148, 1842.
Joues cuirassées, p., *Cuv. R. A.* ii.
Acanthopomes, p., *Dum. Zool. Anal.* 133.
Triglidæ, Scorpænini, *Bonap. Specchio Gen.* 9.

1. SEBASTES.

Sebastes, *Cuv. R. A.* ii. 166.
Perca, p., *O. Fabr. Fauna Grœnl.*
Holocentrus, p., *Lacép. Poiss.* iv. 376.
Serranus, p., *Flem. Brit. An.*
Scorpæna, p., *Jenyns.*

1. Sebastes marinus. Bergylt. B. M

Scorpæna Norvegica, *Jen. Man.* 347.
Perca marina, *Linn. Syst. Nat.*
Perca Norvegica, *O. Fabr. Fauna Grœnl.* 167.
Holocentrus Norvegicus, *Lacép.* iv. 390.
Sebastes Norvegicus, *Cuv. & Val. Poiss.* iv. 327, pl. 87. *Cuv. R. A.* ii. 166. *Yarr. Brit. Fish.* 2 ed. i. 87.
Serranus Norvegicus, *Flem. Brit. An.* 212.
Scorpæna (Sebastes) Norvegicus, *Rich. Fauna Bor.-Amer.* 52.

Sparus erythrinus, *Müll. Zool. Dan.* 45, (nec L.)
Perca marina (Sea Perch), *Penn. Brit. Zool.* iii. 226, pl. 48, (lower fig.) *Id.* (edit. 1812), iii. 349, pl. 59.
Holocentrus marinus, *Lacép. Poiss.* iv. 376?
Bergylt, Norway Haddock. *Zetland.*

Hab.—Coast.

In spirits. Newcastle. Presented by Dr. G. Johnston.

Suborder II. HOLODACTYLI.

Acanthopterygious Fish with the lower ray of the pectoral fins branched like the others, *Gray, Syn. B. M.* 136, 1842.

Fam. IV. PERCIDÆ.

Percoides, p., *Cuv. R. A.* ii. 131, 1829.
Octopterygii Thoracici, p., O. Jugulares, p., and O. Abdominales, p., *Bloch, Schneid. Syst.* 26, 27, 32.
Heptapterygii Thoracici, p., *Bloch, Schneid.* 46.
Acanthopomes, p., *Dum. Zool. Anal.* 133, 1806.
Auchenopteres, p., *Dum. Zool. Anal.* 117, 1806.
Leiopomes, p., *Dum. Zool. Anal.* 127, 1806.
Percidi, *Rafin. Indice*, 16.
Percidæ, *Gray, Syn. Brit. Mus.* 148, 1842, p., *Jen. Man.* 306, p., *Parn. Fish. Firth of Forth*, 7, 1838.
Percoideæ, p., *Rich. Fauna Bor.-Amer.* i.
Percoideæ Cephalacæna, *Latr. Fam. R. A.* 137.
Percidæ, Percini, *Bonap. Saggio*, 1831.
Percidæ, *Bonap. Specchio Gen.* 9, 1845.

1. PERCA.

Percæ, *Cuv. R. A.* iii. 133.
Perca, p., *Linn. Syst. Nat.*

1. Perca fluviatilis. Common Perch. B. M.

Perca fluviatilis, *Linn. Syst. Nat.* i. 481. *Bloch, Ichth.* pl. 52, *Lacép. Poiss.* iv. 399. *Don. Brit. Fish.* iii. pl. 52. *Turton, Brit. Fauna*, 100. *Cuv. & Val. Poiss.* ii. 20 *Flem. Brit. An.* 213. *Bonap. Icon. Fauna Ital.* iii. 79, f. 1. *Fries & Ekstr. Skand. Fisk.* i. t. 1, f. 1. *Jen. Man.* 330. *Yarr. Brit. Fish.* i. 1. *Id.* 2 ed. i. 1. *Parn. Fish. Firth of Forth*, 8.

Var. Perca Italica, *Cuv. & Val.* ii. 45.
Perca fluvialis, *Cuv. R. A.* ii. 132, 1829.
Perch, *Will. Hist. Pisc.* 291, tab. S. 13, f. 1. *Penn. Brit. Zool.* iii. 223, pl. 48, n. 124. *Id.* (edit. 1812), iii. 345, pl. 59.
Var. Crooked Perch, *Penn. Brit. Zool.* iii. 225.

Hab. — Fresh water. Said to be occasionally found in the sea. Skins and in spirits. From the neighbourhood of London and from Loch Lomond, Lochmaben and Duddingston in Scotland.

2. LABRAX.

Labrax, *Cuv. R. A.* ii. 133, 1829.
Perca, p., *Linn. Syst. Nat.*
Sciæna, p., *Bloch.*
Centropomus, p., *Lacép. Poiss.* iv.

1. Labrax Lupus. Common Basse. B. M.

Perca Labrax, *Linn. Syst. Nat.* i. 482. *Bloch, Schneid. Syst. Ichth.* 84. *Don. Brit. Fish.* ii. pl. 43. *Turton, Brit. Fauna,* 100. *Flem. Brit. An.* 213. *Jen. Man.* 331.
Sciæna Labrax, *Bloch, Ichth.* t. 301.
Sciæna punctata, *Bloch,* t. 305 (junr.).
Sciæna diacantha, *Bloch,* t. 302.
Centropomus lineatus, *Lacép. Poiss.* iv. 271.
Centropomus Lupus, *Lacép. Poiss.* iv. 267.
Labrax Lupus, *Cuv. & Val. Poiss.* ii. 56, pl. 11. *Cuv. R. A.* ii. 133. *Yarr. Brit. Fish.* 2 ed. i. 8. *Parn. Wern. Mem.* vii. 170. *Bonap. Icon. Fauna Ital.* 79,*** f. 2.
Basse, *Will. Hist. Pisc.* 271, tab. R. 1. *Penn. Brit. Zool.* iii. 225, pl. 49. *Id.* (edit. 1812), iii. 348, pl. 60. *Yarr. Brit. Fish.* i. 6.
Sea-dace. *Kent.*

Hab.—Coast.
Skins and in spirits. From the English Coast, and from the Firths of Forth and Solway, in Scotland.

3. SERRANUS.

Serranus, *Cuv. R. A.* ii. 139.
Perca, p., *Linn. Syst. Nat.*
Lutjanus, p., *Lacép. Poiss* iv. 357.
Holocentrus, p., *Bloch, Schneid.*
Serran and Merou, *Cuv. R. A.* 139, 140.

* Serranus, *Cuv.*

1. SERRANUS CABRILLA. Smooth Serranus. B. M.

Perca Cabrilla, *Linn. Syst. Nat.* i. 488. *Jen. Man.* 332.
Holocentrus fasciatus, *Bloch*, t. 250?
Lutjanus serran, *Lacép. Poiss.* iv. 205.
Holocentrus virescens, *Bloch*, t. 233?
Perca Channus (Smooth Perch), *Couch in Loud. Mag. of Nat. Hist.* v. 19, f. 6.
Perca marina, p., *Brunn.*
Serranus flavus, *Risso, Eur. Mer.* iii. 376.
Serranus Cabrilla, *Cuv. & Val. Poiss.* ii. 223, pl. 29. *Yarr. Brit. Fish.* 2 ed. i. 11.
Smooth Serranus, *Yarr. Brit. Fish.* i. 9.

HAB.—Coast. S. of England.
In spirits. London market. Presented by Messrs. J. & C. Grove.
Skin. Presented by Lieut. H. F. Spence, R. N.

** Merou, *Cuv.*

2. SERRANUS GIGAS. Dusky Serranus.

Perca Gigas, *Gmel. Linn.* i. pt. iii. 1315. *Jen. Man.* 333.
Holocentrus merou, *Lacép. Poiss.* iv. 377.
Perca robusta (Dusky Perch), *Couch in Loud. Mag. of Nat. Hist.* v. 21, f. 7.
Holocentrus Gigas, *Bloch, Schneid. Syst. Ichth.* 322. *Rafin. Indice*, 17.
Serranus Gigas, *Cuv. & Val. Poiss.* ii. 270, pl. 33. *Yarr. Brit. Fish.* 2 ed. i. 14.
Dusky Serranus, *Yarr. Brit. Fish.* i. 15.

HAB.—Coast. (Cornwall).

4. GYMNOCEPHALUS.

Gymnocephalus, *Bloch, Schneid. Syst. Ichth.* 345, 1801.
Acerina, *Cuv. R. A.* ii. 144, 1829.
Cernua, *Flem. Brit. An.* 212, 1828.
Perca, p., *Linn. Syst. Nat.*
Holocentrus, p., *Lacép.* iv. 357.

1. GYMNOCEPHALUS CERNUA. Ruffe.

Perca Cernua, *Linn. Syst. Nat.* i. 487. *Bloch, Ichth.* pl. 53, f. 2. *Don. Brit. Fish.* ii. pl. 39. *Turton, Brit. Fauna*, 100. *Jen. Man.* 334.
Gymnocephalus Cernua, *Bloch, Schneid. Syst. Ichth.* 345.
Aspredo, *Gesner*, 152.
Cernua fluviatilis, *Flem. Brit. An.* 212.
Holocentrus post, *Lacép. Poiss.* iv. 357.
Acerina vulgaris, *Cuv. & Val. Poiss.* iii. 4, pl. 41. *Cuv. R. A.* ii. 144. *Fries & Ekstr. Skand. Fisk.* 9, t. 1, f. 2. *Yarr. Brit. Fish.* 2 ed. i. 17.
Ruffe, *Will. Hist. Pisc.* 334, tab. X. 14, f. 2. *Penn. Brit. Zool.* iii. 227. *Id.* (edit. 1812), iii. 350. *Yarr. Brit. Fish.* i. 18.
Pope. *Local name.*

HAB.—Rivers.

5. POLYPRION.

Polyprion, *Val. Mem. du Mus.* xi. 265. *Cuv. R. A.* ii. 148.
Serranus, p., *Yarrell, Brit. Fish.* i. 12.
Scorpæna, p., *Risso, Ichth.* 184.

1. POLYPRION CERNIUM. Stone-Basse.

Serranus Couchii, *Yarr. Brit. Fish.* i. 12. *Jen. Man.* 334.
Stone-Basse, *Couch in Linn. Trans.* xiv. 81.
Polyprion cernium, *Val. Mem. du Mus.* xi. 265. *Cuv. & Val.* iii. 21, t. 42. *Cuv. R. A.* ii. 145. *Yarr. Brit. Fish.* 2 ed. i. 19.
Scorpæna Massiliensis, *Risso, Ichth.* 184, (nec Lacép.).
Wreck-fish. *Devonshire.*
Jew-fish. *English of Madeira.*
Stone Bass. *Cornwall.*

HAB.—S. Coast of England.

Fam. V. TRACHINIDÆ.

Trachinidæ, *Bonap. Specchio Gen.* 9.
Scomberidæ, p., *Gray, Syn. B. M.* 148.
Trachinedi, p., *Rafin. Indice*, 12, 1810.
Percoides, p., *Cuv. R. A.* ii.

1. TRACHINUS.

Trachinus, *Linn. Syst. Nat.* i. 435.

1. TRACHINUS DRACO. Great Weever. B. M.

Trachinus Draco, *Linn. Syst. Nat.* i. 435. *Cuv. & Val. Poiss.* iii. 238. *Cuv. R. A.* ii. 152. *Fries & Ekstr. Skand. Fisk.* 13, t. 3, f. 1. *Jen. Man.* 335. *Yarr. Brit. Fish.* i. 20. *Id.* 2 ed. i. 24.
Trachinus lineatus, *Bloch, Schneid.* 55, t. 10.
Trachinus major, *Don. Brit. Fish.* v. pl. 107. *Flem. Brit. An.* 214.
Weever, *Will. Hist. Pisc.* 288, tab. S. 10, f. 1.
Great Weever, *Penn. Brit. Zool.* iii. 151, pl. 29, (Greater Weever). *Id.* (edit. 1812), iii. 229, pl. 33.
Sting-bull. *Local name.*
Sea-cat. *Sussex.*

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R. N.
Skin. Devon. Presented by W. J. Cocks, Esq.

2. TRACHINUS VIPERA. Lesser Weever. B. M.

Trachinus Vipera, *Cuv. & Val. Poiss.* iii. 254. *Cuv. R. A.* ii. 152. *Jen. Man.* 336. *Yarr. Brit. Fish.* i. 25. *Id.* 2 ed. 1, 29. *Parn. Fish. Firth of Forth*, 12. *Wern. Mem.* vii. 172.
Trachinus Draco, *Bloch, Ichth.* pl. 61. *Bloch, Schneid. Syst. Ichth.* 55. *Turton, Brit. Fauna*, 89. *Don. Brit. Fish.* i. pl. 23. *Flem. Brit. An.* 213.
Trachinus vividus, *Lacép. Poiss.* ii. 354.
Common Weever, *Penn: Brit. Zool.* iii. 149, pl. 28, n. 71. *Id.* (edit. 1812), iii. 226, pl. 32.
Lesser Weever, Sting-fish, *Parnell, l. c.* 12. Adder Pike, Black-fin, Otter Pike. *Local names.*

HAB.—Coast.
Skin. From Dr. Mantell's collection.

2. SPHYRÆNA.

Sphyræna, *Bloch, Schneid.* 109. *Cuv. R. A.* ii. 156.
Esox, p., *Linn. Syst. Nat.* i. 515.

1. SPHYRÆNA SPET. Sea-Pike.

Sphyræna vulgaris, *Cuv. & Val. Poiss.* iii. 327. *Jen. Man.* 337.
Sphyræna Spet, *Lacép. Poiss.* v. 326.
Esox Sphyræna, *Linn. Syst. Nat.* i. 515. *Bloch, Ichth.* pl. 389.
Sphyræna sphyræna, *Bloch, Schneid. Syst.* 109.
Sea-Pike, *Couch in Linn. Trans.* xiv. 84.

HAB.—Coast. (A doubtful native).

Fam. VI. MULLIDÆ.

Mullidæ, *Gray, Syn. Brit. Mus.* 1842, 149. *Bonap. Specchio*, 9.
Percoides, p., *Cuv. R. A.* ii.
Percides Mullites, *Latr. Fam. R. A.* 136.

1. MULLUS.

Mullus, *Linn. Syst. Nat.* i. 495.

1. MULLUS SURMULETUS. Striped Surmullet. B. M.

Mullus Surmuletus, *Linn. Syst. Nat.* i. 496. *Bloch, Ichth.* pl. 57. *Bloch, Schneid. Syst. Ichth.* 77. *Lacép. Poiss.* iii. 394. *Don. Brit. Fish.* i. pl. 12. *Flem. Brit. An.* 216. *Cuv. & Val. Poiss.* iii. 433. *Jen. Man.* 337. *Yarr. Brit. Fish.* i. 27. *Id.* 2 ed. i. 31.
Mullus Surmulletus, *Turton, Brit. Fauna*, 102.
Surmullet, *Will. Hist. Pisc.* 285, tab. S. 7, f. 1.
Striped Surmullet, *Penn. Brit. Zool.* iii. 240, pl. 53. *Id.* (edit. 1812), iii. 364, pl. 64.
Striped Red Mullet, *Yarrell.*

HAB.—South Coast.
Skin. Brixham (Devon).

2. MULLUS BARBATUS. Red Surmullet. B. M.

Mullus barbatus, *Linn. Syst. Nat.* i. 495. *Bloch, Ichth.* pl. 348, f. 2. *Bloch, Schneid. Syst. Ichth.* 79. *Turton, Brit. Fauna*, 101. *Cuv. & Val.* iii. 442, t. 70. *Yarr. Brit. Fish.* i. 32. *Id.* 2 ed. i. 36.
Mullus, *Will. Hist. Pisc.* 285, tab. S. 7, f. 2.
Mullus ruber, *Lacép. Poiss.* iii. 385. *Shaw, Gen. Zool.* iv. 611.

Red Surmullet, *Penn. Brit. Zool.* iii. 238. *Id.* (edit. 1812), iii. 365.
Plain Red Mullet, *Yarrell.*

Hab.—Coast.
Skin. Devon.

Fam. VII. SCIÆNIDÆ.

Scienoides, *Cuv. R. A.* ii. 171, 1829.
Sciænoideæ, *Rich. Fauna Bor.-Amer.* 61.
Octopterygii, Thoracici, p. *Bloch, Schneid. Syst.* 29.
Acanthopomes, p., *Dum. Zool. Anal.* 133, 1806.
Percidi, p., *Rafin. Indice*, 16.
Chætodonidæ, p., *Swains. Lardn. Cycl. Fishes.* ii. 170.
Sciænidæ, *Jen. Man.* 309. *Gray, Syn. Brit. Mus.* 149, 1842.
Sciænini, *Bonap. Saggio, &c.*, 1831.
Sciænidæ Sciænini, *Bonap. Specchio, Gen.* 9, 1845.

1. UMBRINA.

Umbrina, *Cuv. R. A.* ii. 174.
Sciæna, p., *Linn. Syst. Nat.* i. 481.
Johnius, p., *Bloch, Schneid. Syst. Ichth.* 76.
Perca, p., *Lacép.*

1. Umbrina cirrhosa. Bearded Maigre.

Sciæna cirrhosa, *Linn. Syst. Nat.* i. 481. *Bloch, Ichth.* pl. 300. *Jen. Man.* 353.
Johnius cirrhosus, *Bloch, Schneid. Syst. Ichth.* 76.
Perca umbra, *Lacép. Poiss.* iv. 414.
Umbrina vulgaris, *Cuv. & Val. Poiss.* v. 127. *Yarr. Brit. Fish.* i. 95. *Id.* 2 ed. i. 109, (cop. Faun. Ital.)
Bearded Umbrina, *Yarrell.*

Hab.—Coast. (Occasional).

2. SCIÆNA.

Sciæna, *Cuv. R. A.* ii. 172.
Sciæna, p., *Linn.*
Perca, p., *Risso, Ichth. Nice.*
Cheilodipterus, *Lacép. Poiss.* v.

1. Sciæna Aquila. Maigre. B. M.

Sciæna Aquila, *Risso, Eur. Mer.* iii. 411. *Cuv. & Val. Poiss.* v. 28, pl. 100. *Neill, in Edinb. New Phil. Journ. Apr.* 1826, 135. *Flem. Brit. An.* 213. *Jen. Man.* 352. *Parn. Fish. Firth of Forth*, 40.
Sciæna Umbra, *Lacép. Poiss.* iv. 314. *Cuv. R. A.* ii. 172.
Cheilodipterus Aquila, *Lacép. Poiss.* v. 685.
Umbra Rondeletii, *Willughby*, 299, tab. S. 19.
Perca Vanloo, *Risso, Ichth. Nice*, 298, t. 9, f. 30.
The Maigre, *Yarr. Brit. Fish.* i. 90. *Id.* 2 ed. i. 104.

Hab.—Coast.
Skin. Brixham (Devon).

Fam. VIII. SPARIDÆ.

Sparoides, *Cuv. R. A.* ii. 180, 1829.
Sparoideæ, *Rich. Fauna Bor.-Amer.* 70.
Heptapterygii, Thoracici, p., *Bloch, Schneid. Syst.* 42.
Leiopomes, p., *Dum. Zool. Anal.* 127, 1806.
Sparidi, *Rafin. Indice*, 20.
Chætodonidæ, p., *Swains. Lardn. Cycl. Fish.* ii. 170.
Sparidæ, *Gray, Syn. Brit. Mus.* 149, 1842. *Jen. Man.* 309.
Sparidæ Sparini, S. Cantharini, *Bonap. Saggio, &c.*, 1831.
Sparidæ Cantharini, S. Denticini, S. Sparini, *Bonap. Specchio, Gen.* 9, 1845.

1. CANTHARUS.

Cantharus, *Cuv. R. A.* ii. 185.
Sparus, p., *Linn. Syst. Nat.*
Pagrus, p., *Flem.*

1. Cantharus lineatus. Black Sea Bream. B. M.

Cantharus griseus, *Cuv. & Val. Poiss.* vi. 333. *Jen. Man.* 358. *Yarr. Brit. Fish.* i. 114. *Id.* 2 ed. i. 130.
Sparus lineatus, *Mont. Wern. Mem.* ii. 451, pl. 23, 1815.
Pagrus lineatus, *Flem. Brit. An.* 211.
Black Bream, *Yarrell.*
Sparus Vetula, *Couch, Linn. Trans.* xiv. 79.
Old Wife. *Local name.*

Hab.—Coast.
Skin. Devon. Presented by Lieut. H. F. Spence, R. N.
Skin. Firth of Forth. Presented by Dr. Parnell.

2. CHRYSOPHRYS.

Chrysophris, *Cuv. R. A.* ii. 181, 1829.
Chrysophrys, *Cuv. & Val. Poiss.* vi. 81.
Sparus, p., *Linn. Syst. Nat.*

1. CHRYSOPHRYS AURATA. Gilt-head. B. M.

Sparus aurata, *Linn. Syst. Nat.* i. 467. *Bloch, Ichth.* pl. 266. *Lacép. Poiss.* iv. 57. *Turton, Brit. Fauna*, 97. *Flem. Brit. An.* 211. *Jen. Man.* 353.
Sparus scriptus, *Bloch, Schneid.* 279.
Chrysophrys aurata, *Cuv. & Val. Poiss.* vi. 85, pl. 145. *Yarr. Brit. Fish.* i. 97. *Id.* 2 ed. i. 111.
Chrysophris aurata, *Cuv. R. A.* ii. 182.
Aurata Rondeletii, Gilt-head, *Will. Hist. Pisc.* 307, tab. V. 5.
Lunulated Gilt-head, *Penn. Brit. Zool.* iii. 210, but not pl. 42. *Id.* (edit. 1812), iii. 327, but not pl. 46.

HAB.—Coast.
Skin. Polperro, Cornwall. Jonathan Couch, Esq.

3. PAGRUS.

Pagrus, *Cuv. R. A.* ii. 182.
Sparus, p. *Linn. Syst. Nat.*
Aurata, sp., *Risso, Eur. Mer.* iii.

1. PAGRUS VULGARIS. Braize or Becker. B. M.

Sparus Pagrus, *Linn. Syst. Nat.* i. 469. *Jen. Man.* 354.
Sparus argenteus, *Bloch, Schneid. Syst. Ichth.* 271.
Pagrus vulgaris, *Cuv. & Val. Poiss.* vi. 104, pl. 148. *Yarr. Brit. Fish.* i. 102. *Id.* 2 ed. i. 116.
Le Pagre de la Mediterranée, *Cuv. R. A.* ii. 182.
Becker, *Couch in Linn. Trans.* xiv. 79.
Braize or Becker, *Yarrell.*
Pandora, King of the Bream. *Local names.*

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R. N.
Skin. Firth of Forth. Presented by Dr. Parnell.

2. PAGRUS ORPHUS. Couch's Sea Bream. B. M.

Pagrus orphus, *Cuv. & Val.* vi. 150, t. 149.
Aurata orphus, *Risso, Eur. Mer.* iii. 356.

Pagellus Rondeletii, *Jon. Couch, Zool.* 1846, p. 1406.
Couch's Sea Bream, *Jon. Couch, Zool.* 1843, p. 81, fig.

HAB.—Coast.
Skin. Cornwall, near Polperro. Presented by Jon. Couch, Esq.

4. PAGELLUS.

Pagellus, *Cuv. R. A.* ii. 183.
Sparus, p., *Linn.*
Pagrus, p., *Fleming.*

1. PAGELLUS ERYTHRINUS. Spanish Sea Bream. B. M.

Sparus erythrinus, *Linn. Syst. Nat.* i. 469. *Bloch, Ichth.* pl. 274? *Shaw, Nat. Misc.* xx. pl. 834. *Jen. Man.* 355.
Sparus pagel, *Lacép. Poiss.* iii. 86.
Pagellus erythrinus, *Cuv. & Val. Poiss.* vi. 170, pl. 150. *Parn. Fish. Firth of Forth.* 43, t. 27. *Wern. Mem.* vii. 203. *Yarr. Brit. Fish.* i. 104. *Id.* 2 ed. i. 120, (cop. Cuv. & Val.)
Erythrinus Rondeletii, *Will. Hist. Pisc.* 311, tab. V. 6.
Spanish Bream, *Couch in Loud. Mag. of Mat. Hist.* v. 17.

HAB.—Coast.
Skin. Presented by Mr. Edward Gerrard.

2. PAGELLUS CENTRODONTUS. Common Sea Bream. B. M.

Sparus centrodontus, *De Laroche, Ann. du Mus.* xiii. 345, pl. 23. f. 2. *Jen. Man.* 356.
Sparus Pagrus, *Walb. Artedi*, iii. 273. *Bloch, Ichth.* pl. 267. *Turton, Brit. Fauna*, 98. *Lacép. Poiss.* iii. 87.
Sparus Aurata, *Don. Brit. Fish.* iv. pl. 89, (nec Linn.)
Sparus massiliensis, *Risso, Ichth. Nice*, 247.
Pagellus centrodontus, *Cuv. & Val. Poiss.* vi. 180. *Parn. Fish. Firth of Forth*, 46, t. 27. *Wern. Mem.* vii. 206. *Yarr. Brit. Fish.* i. 107. *Id.* 2 ed. i. 123.
Pagrus vulgaris, *Flem. Brit. An.* 211.
Sea Bream, *Will. Hist. Pisc.* 312, tab. V. i. f. 5.
Red Gilt-head, *Penn. Brit. Zool.* iii. 212.
Lunulated Gilt-head, *Penn. Brit. Zool.* iii. pl. 42.
Le Rousseau, *Cuv. R. A.* ii. 183.
Var. Pagellus curtus, Short Sea Bream, *Couch, Zool.* 1843, p. 394, fig.

Chad, *Cornwall*, (young). Boger, *Cornwall*, (half-grown).

Hab.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R. N.
In spirits. Cornwall. Jonathan Couch, Esq.
Firth of Forth.

3. Pagellus acarne. Axillary Sea Bream. B. M.

Acarnane, *Rondelet, Lat. Edit.* 1554, 151.
Acarne, *Rondelet, Fr. Edit.* 1558, 134.
Pagrus acarne, *Cuv. R. A.* 183.
Pagellus acarne, *Cuv. & Val. Hist. des Poiss.* vi. 191. *Parn. Fish. Firth of Forth*, 24, t. 27. *Wern. Mem.* vii. 204. *Yarr. Brit. Fish.* 2 ed. i. 122*.
Sparus Berda, *Risso, Ichth. Nice*, 252, (nec Forsk).
Axillary Bream, *Parn. Wern. Mem.* viii. 204.

Hab.—Coast.
Skin. Firth of Forth. From Dr. Parnell's collection.

5. DENTEX.

Dentex, *Cuv. R. A.* ii. 184.
Sparus, p., *Linn.*
Cichla, p., *Bloch, Schneid. Syst. Ichth.*

1. Dentex Johnsoni. Toothed Gilt-head.

Dentex vulgaris, *Cuv. & Val. Poiss.* vi. 220, pl. 153. *Flem. Brit. An.* 212. *Jen. Man.* 357. *Yarr. Brit. Fish.* i. 111. *Id.* 2 ed. i. 127.
Sparus Dentex, *Bloch, Ichth.* pl. 268, (an L.?) *Don. Brit. Fish.* iv. pl. 73. *Lacép. Poiss.* iv. 121. *Turton, Brit. Fauna*, 98.
Cichla Dentex, *Bloch, Schneid.* 337.
Sparus Johnsoni, *Walb. Artedi*, iv. 302, 1792.
Dentex Belonii, *Will. Hist. Pisc.* 312, tab. V. 3.
Sparus Cetti, *Risso, Ichth. Nice*, 256.
Dentex Cetti, *Risso, Eur. Mer.* iii. 256.
Toothed Gilt-head, *Brit. Zool.* (edit. 1812), iii. 331, (but not pl. 54, which is Brama Raii).
Four-toothed Sparus, *Yarrell.*

Hab.—Coast, (occasional).

6. BOOPS.

Boops, *Cuv. R. A.* ii. 70, edit. 1817, ii. 185, edit. 1829. *Gray, Syn. Brit. Mus.* 1842, 149.
Box, *Cuv. & Val. Poiss.* vi. 346, 1830.
Sparus, p., *Linn.*

1. BOOPS BOOPS.

Sparus boops, *Linn. Syst. Nat.* i. 469.
Box vulgaris, *Cuv. & Val. Poiss.* vi. 348, t. 161. *Yarr. Zool.* 1843, 85.

Cornwall (St. Mawes).

Fam. IX. LABRIDÆ.

Labroides, *Cuv. R. A.* ii. 254.
Labroideæ, *Rich. Fauna Bor.-Amer.* 106.
Heptapterygii, Thoracici, p., *Bloch, Schneid. Syst.* 40.
Leiopomes, p., *Dum. Zool. Anal.* 127, 1806.
Sparidi, p., *Rafin, Indice*, 20, 1810.
Chætodonidæ, p., *Swains. Lardn. Cycl.* ii. 170.
Labridæ, *Jen. Man.* 314. *Gray, Syn. Brit. Mus.* 1842, 149.
Labridæ Labrini, *Bonap. Saggio, &c.*, 1831.
Labridæ Labrini, L. Scarini, *Bonap. Specchio Gen.* 9, 1845.

1. LABRUS.

Labrus, *Linn.*
Grammistes, p., *Bloch, Schneid.*
Sparus, p., *Shaw.*

1. LABRUS BERGYLTA. Ballan Wrasse. B. M.

Labrus bergylta, *Ascanius, Icon.* t. 1. *Cuv. & Val.* xiii. 20. *Yarr. Brit. Fish.* i. 311.
Labrus maculatus, *Bloch, Ichth.* pl. 294. *Fries & Ekstr. Skand. Fisk.* ii. t. 2. *Jen. Man.* 391. *Parn. Wern. Mem.* vii. 256.
Labrus aper, *Retz. Fauna Suec.* 335.
Labrus Ballan, *Walb. Artedi*, iii. 259. *Bloch, Schneid. Syst. Ichth.* 252. *Lacép. Poiss.* iii. 513.
Labrus Tinca, *Shaw, Nat. Misc.* xi. pl. 426. *Shaw, Gen. Zool.* iv. 499, pl. 72. *Don. Brit. Fish.* iv. 83.
Labrus Neustriæ, *Lacép. Poiss.* iii. 522.

Labrus tancoïdes, *Lacép. Poiss.* iii. 501.
Labrus ballanus, *Shaw, Gen. Zool.* iv. 398.
Labrus Balanus, *Flem. Brit. An.* 209.
Labrus berg-galt, *Müll. Zool. Dan. Prodr.* 46.
Ballan Wrasse, *Penn. Brit. Zool.* iii. 216, n. 116, pl. 44. *Id.* (edit. 1812), iii. 334, pl. 55. *Yarr. Brit. Fish.* i. 275. *Id.* 2 ed. i. 311.
La Vieille tachetée, *Cuv. R. A.* ii. 255.
Ancient Wrasse, *Donovan.*
Old Wife. *Local name.*
Young.
Labrus Donovani, *Cuv. & Val.* xiii. 39. *Yarr. Brit. Fish.* i. 315.
Labrus lineatus (Streaked Wrasse), *Don. Brit. Fish.* iv. pl. 74, 1805. *Turton, Brit. Fauna*, 99. *Flem. Brit. An.* 209. *Jen. Man.* 392.
Labrus Psittacus, *Risso, Eur. Merid.* iii. 304?
Green-streaked Wrasse, *Yarr. Brit. Fish.* i. 279. *Id.* 2 ed. i. 315.
Green fish. *Cornwall.*

Hab.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence.
Firth of Forth.

2. Labrus mixtus. Striped and Red Wrasse. B. M.

Labrus mixtus, *Sundev. in Wright Skand. Fish.* 160, t. 37, ♂, t. 38, ♀. ..
Labrus variegatus, *Gmel. Syst. Nat.* i. pt. iii. 1294. *Lacép. Poiss.* 508. *Don. Brit. Fish.* i. pl. 21 *Turton, Brit. Fauna*, 99. *Jen. Man.* 394.
Labrus mixtus, *Linn. Syst. Nat.* i. 479, ♂. *Cuv. & Val.* xiii. 43. *Yarr. Brit. Fish.* i. 317.
Labrus coquus, *Walb. Artedi*, iii. 260. *Penn. Brit. Zool.* iii. 340. *Turton, Brit. Fauna*, 99. *Flem. Brit. An.* 209.
Labrus cæruleus, *Ascan. Icon.* 12, ♂.
Turdus perbelle pictus, *Will. Hist. Pisc.* 322, tab. X. 3.
Labrus vittatus, *Walb. Artedi*, iii. 256.
Labrus vetula, *Bloch, Ichth.* 293.
Grammistes variegatus, *Bloch, Schneid. Syst. Ichth.* 190.
Sparus formosus, *Shaw, Nat. Misc.* i. 31, (cop. Ascan.).
Labrus dispar, *Fries, on plate* 37 & 38, *Wright, Skand. Fish.* ♂, ♀.
Labrus pavo, *Risso, Hist.* iii. 299.
Striped Wrasse, *Penn. Brit. Zool.* iii. 218, pl. 45. *Id.* (edit. 1812), iii. 337, pl. 57.

Blue-striped Wrasse, *Yarr. Brit. Fish.* i. 281. *Id.* 2 ed. i. 317.
La Vieille rayée, *Cuv. R. A.* ii. 255.
Female.
Labrus trimaculatus, *Gmel. Syst. Nat.* i. pt., iii. 1294, ♀. *Lacép. Poiss.* iii. 488. *Shaw, Nat. Misc.* xix. pl. 786. *Don. Brit. Fish.* iii. pl. 49. *Turton, Brit. Fauna*, 99. *Jen. Man.* 396. *Yarr. Brit. Fish.* i. 286. *Id.* 2 ed. i. 320, (cop. Donovan.)
Labrus exoletus, ♀, *Retz, Fauna Suec.*
Labrus carneus, *Ascan. Icon.* 13, ♀. *Bloch, Ichth.* pl. 289. *Parn. Wern. Mem.* vii. 258.
Labrus rostratus, *Ström, Trondhj. Selsk. n. Skr.* i. 145.
Trimaculated Wrasse, *Penn. Brit. Zool.* iii. 218, n. 118, pl. 46, edit. 1812, iii. 336, pl. 56.
Red Wrasse, *Yarrell.*
Labrus luvarus, *Rafin. Caratt.* 38, sp. 101.
La Vieille couleur de chair, *Cuv. R. A.* ii. 256.
Var. Labrus bimaculatus, *Linn. Syst. Nat.* i. 477. *Turton, Brit. Fauna*, 99. *Jen. Man.* 396.
Bimaculated Wrasse, *Penn. Brit. Zool.* iii. 247. *Id.* (edit. 1812), iii. 335.

Hab.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R. N.
Skin. Swansea. Killough (Ireland), Coll. Leach, Parnell.

3? Labrus Comber. Comber Wrasse.

Comber, *Penn. Brit. Zool.* iii. 221, n. 122, pl. 47. *Id.* (edit. 1812), iii. p. 342, pl. 58. *Jen. Man.* 393.
Comber Wrasse, *Yarr. Brit. Fish.* i. 289. *Id.* 2 ed. i. 323.
Labrus Comber, *Gmel. Linn.* i. pt. iii. 1297. *Walb. Artedi*, iii. 259. *Bloch, Schneid. Syst. Ichth.* 373. *Turton, Brit. Fauna*, 99. *Flem. Brit. An.* 209. *Yarr. Brit. Fish.* i. 323.

Hab.—Coast.

2. CRENILABRUS.

Crenilabrus, *Cuv. R. A.* ii. 259. *Flem. Brit. An.* 208.
Sciæna, p., *Linn. Mus. Adolph. Fr.* 65.
Labrus, p., *Linn. Syst. Nat.* i. 477.
Lutjanus, p., *Bloch.*
Perca, *Müll. Zool. Dan.*
Cynædus, sp., *Swains. Lardn. Cycl. Fish.* ii. 229.
Crenilabrus and Ctenolabrus, *Val. Hist. Nat. Poiss.* xiii. 146, 223.

1. CRENILABRUS MELOPS. The Golden Wrasse. B. M.

Labrus melops, *Linn. Syst. Nat.* i. 477. *Sundev. in V. Wright, Skand. Fisk.* 103, t. 44.
Labrus Tinca, *Bloch, Schneid. Syst. Ichth.* 256. *Turton, Brit. Fauna*, 98, (nec L.) *Jen. Man.* 397.
Labrus Rone, *Ascan. Icon.* t. 14.
Crenilabrus rone, *Val. Hist. Nat. Poiss.* xiii. 172.
Lutjanus Norvegicus, *Bloch, Ichth.* t. 256.
Crenilabrus Tinca, *Flem. Brit. An.* 208. *Parn. Wern. Mem.* vii. 589.
Crenilabrus melops, *Val.* xiii. 167. *Yarr. Brit. Fish.* i. 325.
Turdus vulgatissimus, *Will. Hist. Pisc.* 319. *Ray, Syn. Pisc.* 136.
Labrus Turdus, *Müll. Prodr.* 383.
Cynædus Tinca, *Swains. Lardn. Cycl. Fish.* ii. 229.
Ancient Wrasse? *Penn. Brit. Zool.* iii. 214, pl. 47. *Id.* (edit. 1812), iii. 332, pl. 58.
Gilt-Head, *Yarr. Brit. Fish.* i. 293. *Id.* 2 ed. i. p. 325.
Connor. *Local name.*

Var. 1.

Labrus gibbus, *Gmel. Linn.* i. pt., iii. 1295. *Bloch, Schneid. Syst. Ichth.* 261. *Lacép. Poiss.* iv. 219. *Turton, Brit. Fauna*, 98. *Jen. Man.* 399.
Crenilabrus gibbus, *Flem. Brit. An.* 209. *Val. Hist. Nat. Poiss.* xiii. 175.
Cynædus gibbus, *Swains. Lardn. Cycl. Fish.* ii. 229.
Gibbous Wrasse, *Penn. Brit. Zool.* iii. 250, pl. 46. *Id.* (edit. 1812), 338, pl. 56. *Yarr. Brit. Fish.* i. 298.

Var. 2.

Crenilabrus Norwegicus, *Cuv. & Val.* xiii. 176. *Yarr. Brit. Fish.* i. 328.
Labrus Cornubicus, *Gmel. Linn.* i. pt. iii. 1297.
Labrus Cornubius, *Lacép. Poiss.* iii. 389. *Don. Brit. Fish.* iii. pl. 72. *Turton, Brit. Fauna*, 99. *Jen. Man.* 398.
Crenilabrus Donovani, *Val. Hist. Nat. Poiss.* xiii. 180.
Perca maculosa, *Retz, Fauna Suec.* 337.
Lutjanus Cornubicus, *Bloch*, 256.
Crenilabrus Cornubicus, *Risso, Hist.* iii. 325. *Parn. Wern. Mem.* vii. 262.
Cynædus Cornubicus, *Swains. Lardn. Cycl. Fish.* ii. 229.
Goldsinny, *Ray, Syn. Pisc.* 163, fig. 3. *Penn. Brit. Zool.* iii. 220, n. 121. pl. 47. *Id.* (edit. 1812), iii. 339, pl. 58.
Crenilabrus Pennantii, *Val. Hist. Nat. Poiss.* xiii. 178.

Var. 3.

Corkwing, *Couch in Loud. Mag. of Nat. Hist.* v. 17, f. 4. *Yarr. Brit. Fish.* 2 ed. i. 328.

Crenilabrus Couchii, *Val. Hist. Nat. Poiss.* xiii. 178.

HAB.—Coast.
Plymouth. Presented by Lieut. H. F. Spence, R. N.
Firth of Forth.

2. CRENILABRUS PUSILLUS. Corkling.

Labrus pusillus, *Jen. Cat. of Brit. Vert. An.* 25, sp. 69. *Jen. Man.* 392. *Yarr. Brit. Fish.* 2 ed i. 330.
Crenilabrus multidentatus, *Thomp. Proc. Zool. Soc.* 1837, 56.
Turdus minor, the Corkling, *Ray, Syn. Pisc.* 165.

HAB.—Coast.

3. CRENILABRUS RUPESTRIS. Jago's Goldsinny. B. M.

Jago's Goldsinny, *Ray, Syn. Pisc.* 163, tab. 1, f. 3. *Yarr. Brit. Fish.* 2 ed. i. 333.
Sciæna rupestris, *Linn. Mus. Adolph. Fr.* 65, t. 31, f. 7.
Labrus suillus, *Linn. Fauna Suec.* 330?
Labrus rupestris, *Linn. Syst. Nat.* 478, sp. 27. *Walb. Artedi*, iii. 252. *Müll. Prod. Zool. Dan.* 45, sp. 382. *Bloch, Schneid. Syst. Ichth.* 248. *Nils. Prod. Ichth. Scand.* 76, sp. 5. *Wright, Fries & Ekstr. Skand. Fish.* 45, t. 9, f. 1.
Perca rupestris, *Müll. Zool. Dan.* tab. 107. *Retz, Fauna Suec.* 337.
Lutjanus rupestris, *Bloch*, pt. vii. tab. 250, f. 1.
Sparus carudse, *Lacép. Poiss.* iv. 148.
Crenilabrus rupestris, Jago's Goldsinny, *Selby, Mag. Zool. and Bot.* i. 167. *Thomp. Mag. Zool. and Bot.* ii. 445. *Thomp. Zool. Prod.* 1837, 57. *Parn. Wern. Mem.* vii. 264.
Cynædus rupestris, *Swains. Lardn. Cycl. Fish.* ii. 229.
Ctenolabrus rupestris, *Val. Hist. Nat. Poiss.* xiii. 223.

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R. N.
In spirits. Brighton. Presented by J. G. Children, Esq.

3. ACANTHOLABRUS.

Acantholabrus, *Val. Hist. Nat. Poiss.* xiii. 242.
Labrus, p., *Linn.*
Crenilabrus, p., *Thompson.*
Cynædus, sp., *Swains. Lardn. Cycl. Fish.* ii. 229.

1. ACANTHOLABRUS EXOLETUS. Small-mouthed Wrasse. B.M.

Acantholabrus exoletus, *Val. Hist. Nat. Poiss.* xiii. 247. *Yarr. Brit. Fish.* 2 ed. i. 341.
Labrus exoletus. *Linn. Syst. Nat.* 479, sp. 33. *Linn. Faun. Suec.* 117, 331. *Müll. Prod. Zool. Dan.* 46, sp. 386. *Fab. Faun. Grœnl.* 166, sp. 120, *Bloch, Schneid. Syst. Ichth.* 260. *Retz. Faun. Suec.* 335, sp. 67. *Nils. Prod. Ichth. Scand.* 77. *Wright, Fries & Ekstr. Skand. Fisk.* 48, t. 9, f. 2.
Labrus cæruleus, p., *Müll. Prod. Faun. Dan.* (nec Asc.)
Labrus pentacanthus, *Lacép. Poiss.* iii. 503.
Crenilabrus microstoma, Small-mouthed Wrasse, *Thomp. Zool. Proc.* 1837, 55. *Mag. Zool. and Bot.* ii. 446, pl. 14.
Rock Cook, *Couch, Corn. Faun.* 39.
Acantholabrus microstoma, *Val. Hist. Nat. Poiss.* xiii. 250.

HAB.—Coast.
Skin. Cawsand. Presented by Lieut. H. F. Spence, R. N.

2. ACANTHOLABRUS COUCHII. Scale-rayed Wrasse.

Acantholabrus Couchii, *Val.* xiii. 248. *Yarr. Brit. Fish.* i. 337.
Labrus luscus, *Couch in Loud. Mag. of Nat. Hist.* v. 18, 742, 121, (nec Linn.) *Jen. Man.* 400.
Cynædus luscus, *Swains. Lardn. Cycl. Fish.* ii. 229.
Scale-wrayed Wrasse, *Yarr. Brit. Fish.* i. 300. *Id.* 2 ed. i. 337.

HAB.—Coast.

3. ACANTHOLABRUS YARRELLII. The Sea-Wife.

Acantholabrus Yarrellii, *Val.* xiii. 250, ("Yarellii.") *Yarr. Brit. Fish.* i. 339.
Labrus Vetula, *Yarr. Brit. Fish.* (olim) 284, (nec Bloch.) *Jen. Man.* 395.
The Sea-Wife, *Yarrell, l. c.*

HAB.—Coast, (occasional).

4. JULIS.

Julis, *Cuv. R. A.* ii. 257.
Labrus, p., *Linn.*
Icthycallus, *Swains. Lardn. Cycl. Fish.* ii. 232.

1. JULIS JULIS. Rainbow Wrasse.

Julis mediterranea, *Risso, Hist.* iii. 309. *Yarr. Brit. Fish.* i. 344. *Swains. Lardn. Cycl. Fish.* ii. 233.
Labrus Julis, *Linn. Syst. Nat.* i. 476. *Bloch, Ichth.* pl. 287, f. 1. *Bloch, Schneid. Syst. Ichth.* 247. *Lacép. Poiss.* iii. 493. *Don. Brit. Fish.* iv. pl. 96. *Turt. Brit. Faun.* 99. *Jen. Man.* 397.
Julis, *Will. Hist. Pisc.* 324, pl. X, 4, f. 1?
Julis festiva, *Valenc. Hist. Nat. Poiss.* xiii. 374.
Julis vulgaris, *Flem. Brit. An.* 210. *Valenc. Hist. Nat. Poiss.* xiii. 361. *Bonap. Icon. Faun. Ital.* iii. t. f. 1.
Ictbycallus julis, *Swains. Lardn. Cycl. Fish.* ii. 232.
La Girelle, *Cuv. R. A.* ii. 257.
Indented striped Wrasse, *Don. Brit. Fish.*
Rainbow Wrasse, *Editor of Penn. Brit. Zool.* (edit. 1812), iii. 343. *Yarr. Brit. Fish.* i. 291. *Id.* 2 ed. i. 344.

HAB.—Coast.

Fam. X. ATHERINIDÆ.

Atherinidæ, *Gray, Syn. Brit. Mus.* 149, 1842. *Bonap. Specchio*, 9.
Mugiloides, p., *Cuv. R. A.* ii.
Mugilidæ, Atherinini, *Bonap. Saggio.*
Sphærinæ, p., *Swains. Lardn. Cycl. Fish.* ii. 175.

1. ATHERINA.

Atherina, *Linn.*

1. ATHERINA PRESBYTER. Atherine. B. M.

Atherina Presbyter, *Cuv. R. A.* ii. 235. *Jen. Man.* 377. *Yarr. Brit. Fish.* i. 214. *Id.* 2 ed. i. 229. *Parn. Wern. Mem.* vii. 230.
Atherina Hepsetus, *Don. Brit. Fish.* iv. pl. 87 (nec L.) *Neill, Wern. Mem.* i. *Flem. Brit. An.* 217.
A. Hespetus, *Turton, Brit. Faun.* 105.
Atherine, *Penn. Brit. Zool.* iii. 287, n. 157, pl. 65. *Id.* (edit. 1812) iii. 434, pl. 76.
Sand Smelt, Smelt. *Southampton.* Silver-side. *Local name.*

HAB.—Coast.
In spirits. Falmouth and Fifeshire.

Fam. XI. MUGILIDÆ.

Mugiloides, p., *Cuv. R. A.* ii. 230, 1829.
Mugiloideæ, *Rich. Faun. Bor.-Amer.* 87.
Octopterygii, Abdominales, p., *Bloch, Schneid. Syst.* 31.
Ciprinidi, p., *Rafin. Ind.* 32.
Lepidopomes, *Dum. Zool. Anal.* 143, 1806.
Mugilidæ, p., *Jen. Man.* 312. *Swains. Lardn. Cycl. Fish.* ii. 173.
Mugilidæ Mugilini, *Bonap. Saggio, &c.* 1831.
Mugilidæ, *Gray, Syn. Brit. Mus.* 149, 1842. *Bonap. Specchio Gen.* 9, 1845.
Mugiloidei, *Müll. Wiegm. Arch.* 136, 1845.

1. MUGIL.

Mugil, *Linn.*

1. Mugil capito. Grey Mullet. B.M.

Mugil capito, *Cuv. R. A.* ii. 232. *Jen. Man.* 375. *Bonap. Icon. Faun. Ital.* 31, t. f. 1. *Parn. Wern. Mem.* vii. 225, t. 28, (head). *Yarr. Brit. Fish.* i. 200. *Id.* 2 ed. i. 234.
Mugil Cephalus, *Don. Brit. Fish.* i. pl. 15 (nec L.). *Neill, Wern. Mem.* i. 544. *Turton, Brit. Faun.* 106. *Flem. Brit. An.* 217.
Mugil Britannicus, *Hancock, London Quart. Journ. of Sc.* 1830, 129.
Mugil cephalus, var. A, *Risso, Ichth. Nice,* 344.
Mullet, *Will. Hist. Pisc.* 274, t. R, 3? *Penn. Brit. Zool.* iii. 288, pl. 66.
Mugil Ramada, *Risso, Hist. Nat.* iii. 390.

Hab.—Coast.
Skins and in spirits. Firth of Forth, Devon, &c. Presented by Lieut. H. F. Spence, R.N., and Messrs. Yarrell and Gerrard.

2. Mugil Chelo. Thick-lipped Grey Mullet. B. M.

Mugil Chelo, *Cuv. R. A.* ii. 232. *Jen. Man.* 375. *Yarr. Brit. Fish.* i. 207. *Id.* 2 ed. i. 241. (*Cop. Faun. It.*) *Parn. Wern. Mem.* vii. 228, t. 28 (head). *Bonap. Faun. Ital.* 30,** t. f. 2.
Mugil provensalis, *Risso, Ichth. Nice,* 346?
Mugil labrosus, *Risso, Hist.* iii. 389, 1826.
Mugil cephalus, var. B, *Delaroche, Ann. Mus.* xiii. 358, t. 21, f. 7.

Thick-lipped Gray Mullet, *Yarrell.*

HAB.—Coast.
Skin. Firth of Forth.

3. MUGIL CURTUS. Short Grey Mullet.

Mugil curtus, *Yarr. Brit. Fish.* i. 210. *Jen. Man.* 376. *Yarr. Brit. Fish.* 2 ed. i. 245.

HAB.—Coast, (Poole Habour).

Fam. XII. BRAMADÆ.

Squammipennes, p., *Cuv. R. A.* ii. 188, 1829.
Chætodontoideæ Squammipennæ, p., *Rich. Faun. Bor.-Amer.* 73.
Squamipinnati, p., *Jen. Man.* 310.
Chætodontini, p., *Bonap. Saggio*, 1831.
Chætodontidæ, p., *Bonap. Specchio Gen.* 9, 1845.
Bramadæ, *Gray, Syn. Mus.* 1842, p. 149.

1. BRAMA.

Brama, *Bloch, Schneid. Syst. Ichth.* 1801.
Sparus, p., *Bloch.*

1. BRAMA RAII. Ray's Sea Bream. B. M.

Brama Raii, *Bloch, Schneid. Syst. Ichth.* 99. *Cuv. & Val. Poiss.* vii. 210, pl. 190. *Jen. Man.* 359. *Parn. Fish. Firth of Forth*, 49. *Wern. Mem.* vii. 209. *Yarr. Brit. Fish.* i. 133. *Couch, Zool.* 1849, app. p. xxviii. f.
Sparus Raii, *Bloch, Ichth.* pl. 273. *Don. Brit. Fish.* ii. pl. 37.
Sparus castaneola, *Lacép. Poiss.* iv. 110.
Sparus niger, *Turton, Brit. Fauna*, 98.
Brama marina caudâ forcipatâ, *Ray, Syn. Pisc.* 115. *Will. Hist. Pisc. App.* p. 17. tab. V. 12.
Brama marina, *Flem. Brit. An.* 210.
La Castagnole, *Cuv. R. A.* ii. 194.
Toothed Gilt-head, *Penn. Brit. Zool.* iii. 213, pl. 43. *Mont. in Linn. Trans.* vii. 292.
Ray's Bream, *Yarr. Brit. Fish.* i. 117. *Id.* 2 ed. i. 133.

HAB—Coast.
Skins. Berwick-on-Tweed. Presented by Dr. Geo. Johnston.

2? BRAMA PINNA-SQUAMATA.

Brama pinna-squamata, *Couch, Zool.* 1849, *App.* p. xxvi. f. p. xxvii.
HAB.—Coast. Cornwall.

Fam. XIII. SCOMBERIDÆ.

Enneapterygii, *Bloch, Schneid. Syst.* 24.
Heptapterygii, Jugulares, p., *Bloch, Schneid.* 351.
Scomberoides, *Cuv. R. A.* ii. 196, 1829.
Scomberoideæ, *Rich. Fauna Bor.-Amer.* 76.
Atractosomes, p., *Dum. Zool. Anal.* 125, 1806.
Leptosomes, p., *Dum. Zool. Anal.* 135, 1806.
Scomberini, *Rafin. Indice*, 19.
Zeusidi, p., *Rafin. Indice*, 15, 1810.
Scombridæ Scombrini, S. Xiphiadini, S. Centronotini, S. Trichiurini, Triglidæ Gasterosteini, *Bonap. Saggio.*
Scombridæ, *Jen. Man.* 310.
Scombridæ Centronotini, Carangini, Xiphiadini, Zeini, Scombrini, *Bonap. Specchio, Gen.* 10.
Scomberidæ, *Gray, Syn. Brit. Mus.* 1842, 149. *Swains. Lardn. Cycl. Fish.* ii. 174.
Scomberoidei, *Müll. Wiegm. Arch.* 1845, 136.
Tænioides, p., *Cuv. R. A.* ii. 217.
Peropteres, p., Petalosomes, p., *Dum. Zool.* 113, 121.

1. SCOMBER.

Scomber, *Cuv. R. A.* ii. 312, 1817.
Scomber, p., *Linn. Syst. Nat.*

1. SCOMBER SCOMBRUS. Common Mackarel. B. M.

Scomber Scombrus, *Linn. Syst. Nat.* i. 492. *Lacép. Poiss.* iii. 24. *Cuv. & Val. Hist. Nat. Poiss.* viii. 6.
Scomber scomber, *Bloch, Ichth.* 54. *Bloch, Schneid. Syst. Ichth.* 24. *Don. Brit. Fish.* v. pl. 120. *Turton, Brit. Faun.* 100. *Jen. Man.* 360. *Wright, Ekstr. & Sundev. Skand. Fisk.* 128, t. 29. *Parn. Fish. Firth of Forth*, 50. *Wern. Mem.* vii. 210. *Yarr. Brit. Fish.* i. 121. *Id.* 2 ed. i. 137.
Scomber vulgaris, *Flem. Brit. An.* 217.
Mackrell, *Will. Hist. Pisc.* 181, tab. M. 3.

Common Mackrel, *Penn. Brit. Zool.* iii. 232, n. 132, pl. 51.

HAB.—Coast.
Skins. English Coast and the Firth of Forth.

2. SCOMBER COLIAS. Spanish Mackarel.

Scomber maculatus, *Couch in Loud. Mag. of Nat. Hist.* v. 22, f. 8, (nec Forster, MSS.) *Jen Man.* 361.
Scomber colias, *Gmel. Syst. Nat.* i. 1329. *Turton, Brit. Fauna,* 100. *Cuv. & Val. Poiss.* viii. 39, pl. 209. *Yarr. Brit. Fish.* i. 148.
Scomber macropthalmus, *Rafin. Indice,* 20, 53.
Colias Rondeletii, *Ray, Syn. Pisc.* 59.
Spanish Mackarel, *Couch, l. c. Yarr. Brit. Fish.* i. 131.

HAB.—Coast.

3. SCOMBER PUNCTATUS. Spotted Mackarel.

Scomber punctatus, *Couch, Zool.* 1849, *App.* p. xxix. f.

HAB.—Coast. Cornwall, Looe.

2. THYNNUS.

Thynnus, *Cuv. R. A.* ii. 1817.
Scomber, p., *Linn.*
Orcynus, *Cuv. R. A.* ii. 198, (olim).

1. THYNNUS THYNNUS. Common Tunny. B. M.

Scomber Thynnus, *Linn. Syst. Nat.* i. 493. *Bloch, Ichth.* 55. *Bloch, Schneid. Syst. Ichth.* 21. *Lacép. Poiss* ii. 605. *Don. Brit. Fish.* i. pl. 5. *Turton, Brit. Fauna,* 101. *Flem. Brit. An.* 218. *Jen. Man.* 362.
Thynnus vulgaris, *Cuv. & Val. Poiss.* viii. 58, 42, pl. 210. *Yarr. Brit. Fish.* 2 ed. i. 150.
Tunny Fish, *Will. Hist. Pisc.* 176, tab. M. 1, f. 3.
Tunny, *Penn. Brit. Zool.* iii. 234, pl. 52. *Yarr. Brit. Fish.* i. 134.
Mackrel-sture. *Scotland. Penn.* iii. 236.
Stoer Mackerel. *Scotland.*

HAB.—Coast.
Large stuffed specimens. Chesil bank, Weymouth.

2. THYNNUS PELAMYS. Bonito.

Scomber Pelamys, *Linn. Syst. Nat.* i. 492. *Stewart, Elem. N. H.* i. 363. *Jen. Man.* 363.
Scomber pelamides, *Lacép. Poiss.* iii. 14.
Thynnus Pelamys, *Cuv. & Val. Hist. Nat. des Poiss.* viii. 113, pl. 214. *Yarr. Brit. Fish.* 2 ed. i. 157.
Bonito, *Yarr. Brit. Fish.* i. 140.
Thunnus pelamys, *Parn. Fish. Firth of Forth*, 53. *Wern. Mem.* vii. 213.
Bonite des Tropiques, ou Thon à ventre rayé, *Cuv. R. A.* ii. 98.
Striped-bellied Tunny, *Yarrell.*

HAB.—Coast, (occasional).
Firth of Forth, *Charles Stewart, Elem. N. H.* i. 363.
Firth of Clyde, *Dr. Scouler, Mus. Andersonian Inst. Glasgow.*
Cornwall (July), *Couch, Yarrell.*

3. THYNNUS ALALONGA. Long-finned Tunny.

Thynnus alalonga, *Cuv. & Val. Poiss.* viii. 120.
Scomber alatunga, *Gmel. Syst. Nat.* i. 1330.
Scomber alalunga, *Walb. Artedi*, iii. 222.
Orcynus alalonga, *Jon. Couch, Zool.* 1846, p. 1413, fig.
HAB.—Ocean, (occasional).
Cornwall, (Mount's bay).

3. PELAMYS.

Pelamys, *Cuv. & Val. Poiss.* viii. 149, 1831.
Sarda, *Cuv. R. A.* ii. 199, 1829.
Scomber, p., *Bloch.*
Thynnus, p., *Risso.*

1. PELAMYS SARDA. Belted Bonito.

Pelamys sarda, *Cuv. & Val. Poiss.* viii. 149, fig. *Yarr. Brit. Fish.* i. 159.
Scomber sarda, *Bloch*, t. 334. *Bloch, Schneid. Syst. Ichth.* 22.
Scomber mediterraneus, *Bloch, Schneid. Syst.* 23.
Thynnus sardus, *Risso, Eur. Mer.* iii. 417.
Scomber palamitus, *Rafin. Caratt.* 44.
Belted Bonito, *Couch, Corn. Faun.*

HAB.—Coast, (occasional).

4. AUXIS.

Auxis, *Cuv. R. A.* ii. 199, 1829.
Scomber, p., *Rafin.*
Thynnus, p., *Risso.*

1. Auxis bisus. The Plain Bonito.

Auxis vulgaris, *Cuv. & Val. Hist. Nat. Poiss.* viii. 139. *Yarr. Brit. Fish.* 2 ed. i. 160.
Scomber bisus, *Rafin. Caratt*, 45, tab. 2, fig. 1, 1810.
Scomber Rochei, *Risso, Ichth.* 165, sp. 3.
Thynnus rocheanus, *Risso, Hist.* iii. 417, sp. 335.
Var. Maquereau unicolor, *Descript. de l'Egypte*, pl. 24, f. 6.

Hab.—Coast, (occasional).

5. LEPIDOPUS.

Lepidopus, *Gouan, Poiss.* 185, 1770. *Cuv. R, A.* ii. 217.
Trichiurus, p., *Euphrasen, Stockholm, Nya Handl.* ix. 1788.
Vandellius, *Shaw, Gen. Zool.* iv. 199, 1803.
Ziphotheca, *Mont. Wern. Mem.* i. 181, 1811.
Scarcina, *Rafin. Caratt.* 20, 1810.

1. Lepidopus caudatus. Scabbard-Fish. B. M.

Lepidopus argyreus, *Cuv. R. A.* ii. 217. *Cuv. & Val. Poiss.* viii. 223, pl. 223. *Jen. Man.* 371. *Yarr. Brit. Fish.* i. 176. *Id.* 2 ed. i. 198.
Lepidopus Lusitanicus, *Leach, Zool. Misc.* ii. 7, pl. 62.
Lepidopus tetradens. *Flem. Brit. An.* 205.
Trichiurus caudatus, *Euphr. Stockh. K. Vet. Acad. Nya Handl.* ix. 52, t. 9, f. 2, 1788. *Walb. Artedi*, iii. 695.
Trichiurus gladius, *Holten, Kiobenh, Skrivt. Af. Nat. Selsk.* v. 23, t. 2, f. 1, 1802.
Trichiurus ensiformis, *Vandelli, MSS. Shaw.*
Vandellius Lusitanicus, *Shaw, Gen. Zool.* iv. 199, 1803.
Lepidopus Peronii, *Risso, Ichth. Nice*, 148, t. 5, f. 18.
Ziphotheca tetradens, *Mont. Wern. Mem.* i. 82, t. 2, 3, ii. 432.
Scarcina argyrea, *Rafin. Caratt*, 20, t. 7, f. 1.
Lepidopus argenteus, *Nardo, Journ. Phys. Pav.* vii. 227.
Lepidopus ensiformis, *Swains. Lardn. Cycl. Fish.* ii. 254.
Scabbard-Fish, *Brit. Zool.* (edit. 1812), iii. 210.

Scale foot. *Local name.*
Peixe Espada. *Portuguese.*

Hab.—Coast, (occasional).
Skin. Salcomb, Devonshire, (Mus. Montagu).

6. TRICHIURUS.

Trichiurus, *L. Gray, Zool. Misc.* 9.
Lepturus, *Artedi.*
Gymnogaster, p., *Gronov. Mus. Ichth.* i. 17, 1754.
Clupea, p., *Forsk.*

1. Trichiurus Lepturus? Silvery Hair-tail.

Trichiurus Lepturus, *Linn. Syst. Nat.* i. 429. *Hoy in Linn. Trans.* xi. 210. *Flem. Brit. An.* 204. *Bloch, Ichth.* pl. 158? *Bloch, Schneid. Syst. Ichth.* 517. *Lacép. Poiss.* ii. 181, pl. 7, f. 1. *Cuv. R. A.* ii. 218.? *Cuv. & Val. Poiss.* viii. 237. *Jen. Man.* 372. *Yarr. Brit. Fish.* i. 182. *Id.* 2 ed. i. 204.
Trichiurus armatus, *Gray, Zool. Misc.* 9.
Blade-fish, *Fleming.*

Hab.—Coast, (occasional).

7. XIPHIAS.

Xiphias, *Cuv. R. A.* ii. 326, 1817.
Xiphias, p., *Linn.*

1. Xiphias Gladius. Common Sword Fish. B. M.

Xiphias gladius, *Linn. Syst. Nat.* i. 432. *Bloch, Ichth.* pl. 76. *Flem. Brewster's Journ.* ii. 187. *Turton, Brit. Faun.* p. 88. *Flem. Brit. An.* 220. *Cuv. R. A.* ii. 201. *Cuv. & Val. Poiss.* viii. 255, t. 225, t. 226, t. 231. *Jen. Man.* 364. *Yarr. Brit. Fish.* i. 143. *Id.* 2 ed. i. 164 (adult), 169 (jun.) *Parn. Fish. Firth of Forth*, 55. *Wern. Mem.* vii. 215.
Xiphias Rondeletii, *Leach in Wern. Mem.* ii. 58, pl. 2, f. 1. *Zool. Misc.* i. 62, pl. 27.
Sword Fish, *Will. Hist. Pisc.* 161, tab. L. 27, f. 2.
Sicilian Sword-fish, *Penn. Brit. Zool.* iii. 141, pl. 26. *Id.* (edit. 1812), iii. 216, pl. 30. *Knox in Edinb. Journ. of Nat. and Geog. Sci.* ii. 427.

Hab.—Coast, (occasional).
Stuffed specimen. Margate.

8. LICHIA.

Lichia, *Cuv. R. A.* ii. 203, 1829.
Scomber, p. *Linn.*
Caranx, p., *Lacép.*

1. LICHIA GLAUCUS. Albacore.

Albacore, *Couch in Linn. Trans.* xiv. 82. *Jen. Man.* 366.
Lichia glaucus, *Cuv. & Val. Poiss.* viii. 358, pl. 234.
Scomber glaucus, *Linn. Syst. Nat.* i. 494.
Scomber ascensionis, p., *Shaw, Gen. Zool.* iv. 593.
Caranx glaucus, *Lacép. Poiss.* iii. 66.
Centronotus binotatus, *Rafin. Caratt.* 43, t. 8. f. 2.
Lichia glaycos, *Risso, Eur. Mer.* iii. 429.
Var. Lichia tetracantha, *Bowdich, Cuv. & Val. l. c.* 363.

HAB.—Coast, (occasional).

9. CENTRONOTUS.

Centronotus, *Lacép. Poiss.* iii. 311, 1802.
Naucrates, p., *Rafin.*
Gasterosteus, p., *Linn. Syst. Nat.*
Scomber, p., *Bloch.*

1. CENTRONOTUS DUCTOR. Pilot-Fish. B. M.

Centronotus Ductor, *Couch, Linn. Trans.* xiv. 82. *Jen. Man.* 365.
Gasterosteus Ductor, *Linn. Syst. Nat.* i. 489.
Centronotus conductor, *Lacép. Poiss.* iii. 311.
Naucrates Ductor, *Cuv. & Val. Poiss.* viii. 312, pl. 232. *Yarr. Brit. Fish.* 2 ed. i. 170.
Scomber Ductor, *Hasselquist, It.* 336. *Bloch, Ichth.* pl. 338.
Gasterosteus antecessor, *Daldorf. Skrivt. Naturh. Selsk. Kiobenh.* ii. h. 2, 166.
Naucrates Fanfarus, *Rafin. Caratt,* 44.
Pilot-Fish, *Will. Hist. Pisc. App.* tab. S, f. 2. *Yarr. Brit. Fish.* i. 149.

HAB.—Coast, (occasional).
Skin. Falmouth. Presented by W. P. Cocks, Esq.

10. GASTEROSTEUS.

Gasterosteus, *Linn.*
Gasterosteus and Spinachia, *Flem. Brit. An.* 219.
Gasterosteus, Leiurus and Polycanthus, *Swains. Lardn. Cycl. Fish.* ii. 242.

1. GASTEROSTEUS ACULEATUS. Three-spined Stickleback. B. M.

Gasterosteus aculeatus, *Linn. Syst. Nat.* i. 489. *Bloch, Ichth.* pl. 53, f. 3. *Bloch, Schneid. Syst. Ichth.* 122. *Don. Brit. Fish.* i. pl. 11. *Turton, Brit. Faun.* 101. *Flem. Brit. An.* 219. *Wright, Fries & Ekstr. Skand. Fish.* 17, t. 4, f. 1. *Jen. Man.* 348.
Gasterosteus teraculeatus, *Lacép. Poiss.* iii. 296.
Gasterosteus gymnurus, *Cuv. R. A.* ii. 170.
Stickleback, *Will. Hist. Pisc.* 341, tab. X, 14, f. 1.
Three-spined Stickleback, *Penn. Brit. Zool.* iii. 229, n. 129, pl. 0, n. 129. *Id.* (edit. 1812) iii. 353, pl. 61.
Var. *a.* Gasterosteus trachurus, *Cuv. & Val. Poiss.* iv. 481, 2, pl. 98. *Yarr. in Mag. Nat. Hist.* iii. 522, f. 127, *a.*
Rough-tailed Stickleback, *Yarr. Brit. Fish.* i. 76. *Id.* (2 ed.) i. 90.
Full-armed Stickleback, *Parn. Fish. Firth of Forth*, 33, t. 25. *Wern. Mem.* vii. 193.
Var. *β.* Gasterosteus semiarmatus, *Cuv. & Val. Poiss.* iv. 493. *Yarr. in Mag. Nat. Hist.* iii. 522, f. 127, *b.*
Half-armed Stickleback, *Yarr. Brit. Fish.* i. 80. *Id.* (2 ed.) i. 94. *Parn. Fish. Firth of Forth*, 32, t. 22. *Wern. Mem.* vii. 192.
Var. *γ.* Gasterosteus leiurus, *Cuv. Yarr. in Mag. Nat. Hist.* iii. 522, f. 127, *c.*
Leiurus aculeatus, *Swains. Lardn. Cycl. Fish.* ii. 242.
Smooth-tailed Stickleback, *Yarr. Brit. Fish.* i. 81. *Id.* (2 ed.) i. 95.
Quarter-armed Stickleback, *Parn. Ichth. Firth of Forth*, 30, t. 25. *Wern. Mem.* vii. 190.
Var. *δ.* Gasterosteus brachycentrus, *Cuv. & Val. Poiss.* iv. 499.
Leiurus brachycentrus, *Swains. Lardn. Cycl. Fish.* ii. 242.
Short-spined Stickleback, *Yarr. Brit. Fish.* i. 82. *Id.* (2 ed.) i. 96.

Sharplin, Burnstickle. *Scotland.*

Hab.—Fresh water, and occasionally in the sea.
In spirits. Wandsworth, Greenwich, Plymouth, New River, Dorset. Presented by Dr. Leach, W. Yarrell, Esq., W. Thompson, Esq.
Duddingston, the Tweed, and the Firth of Forth. Presented by Dr. George Johnston, and from Dr. Parnell's collection.

2. Gasterosteus spinulosus. Four-spined Stickleback. B. M.

Gasterosteus spinulosus, *Yarr. & Jen. Jen. Man.* 350. *Parn. Fish. Firth of Forth*, 36, t. 25. *Wern. Mem.* vii. 196.
Leiurus spinulosus, *Swains. Lardn. Cycl. Fish.* ii. 242.
Four-spined Stickleback, *Stark, Edinb. New Phil. Journ. April*, 1831, p. 386. *Yarr. Brit. Fish.* i. 83. *Id.* (2 ed.) i. 97.

Hab.—Fresh water.
Skin. Ranza, Isle of Arran.
In spirits. Berwick. Presented by Dr. George Johnston.

3. Gasterosteus pungitius. Ten-spined Stickleback. B. M.

Gasterosteus pungitius, *Linn. Syst. Nat.* i. 491. *Bloch, Ichth.* pl. 53, f. 4. *Bloch, Schneid. Syst. Ichth.* 123. *Lacép. Poiss.* iii. 297. *Don. Brit. Fish.* ii. pl. 32. *Turton, Brit. Faun.* 101. *Flem. Brit. An.* 219. *Cuv. & Val. Poiss.* iv. 506. *Wright, Fries & Ekstr. Skand. Fisk.* 20, t. 4, f. 2. *Jen. Man.* 350. *Parn. Fish. Firth of Forth*, 37, t. 26. *Wern. Mem.* vii. 197.
Leiurus pungitius, *Swains. Lardn. Cycl. Fish.* ii. 242.
Lesser Stickleback, *Will. Hist. Pisc.* 342.
Ten-spined Stickle-back, *Penn. Brit. Zool.* iii. 230, pl. 50, n. 130. *Id.* (edit. 1812) iii. 355, pl. 61. *Yarr. Brit. Fish.* i. 85. *Id.* (2 ed.) i. 99.
Var. *β.* Gasterosteus lævis, *Cuv. R. A.* ii. 170.

Hab.—Fresh-water (occasionally the sea).
In spirits. Battersea Fields and Cobham.

4. Gasterosteus Spinachia. Fifteen-spined Stickleback. B. M.

Gasterosteus Spinachia, *Linn. Syst. Nat.* i. 492. *Bloch, Ichth.* pl. 53, f. 1. *Bloch, Schneid. Syst. Ichth.* 123, *t.* 33, f. 2. *Lacép. Poiss.* iii. 297. *Don. Brit. Fish.* ii. pl. 45. *Turton, Brit. Faun.* 101. *Wright, Fries & Ekstr. Skand. Fisk.* 21, t. 4, f. 3. *Jen. Man.* 351. *Parn. Fish. Firth of Forth*, 38, t. 26. *Cuv. & Val. Poiss.* iv. 373. *Cuv. R. A.* ii. 170.

Spinachia vulgaris, *Flem. Brit. An.* 219. *Bonap. Pesc. Eur.* 71.*
Polycanthus spinachia, *Swains. Lardn. Cycl. Fish.* ii. 242.
Aculeatus marinus, *Will. Hist. Pisc.* 340, t. X. 13, f. 2.
Fifteen-spined Stickleback, *Penn. Brit. Zool.* iii. 231, pl. 50, n. 131. *Id.* (edit. 1812), iii. 356, pl. 61. *Yarr. Brit. Fish.* i. 87. *Id.* (2 ed.) i. 101.
Great Sea Adder. *Local name.*
Bismore, Duckins. *Berwick.*

HAB.—Coast.
Skins and in spirits. Devon and Berwick-on-Tweed. Presented by Lieut. H. F. Spence, R.N. and Dr. George Johnston.
Firth of Forth.

11. CARANX.

Caranx, *Lacép. Poiss.* iii. *Cuv. R. A.* ii. 207.
Scomber, p. *Linn.*
Trachurus, *Rafin. Flem. Brit. An.* 218.

1. CARANX TRACHURUS. Scad. B. M.

Caranx trachurus, *Lacép. Poiss.* iii. 60. *Cuv. & Val. Poiss.* ix. 11, pl. 246. *Jen. Man.* 366. *Parn. Fish. Firth of Forth*, 67. *Wern. Mem.* vii. 217. *Yarr. Brit. Fish.* i. 154. *Id.* (2 ed.) i. 175. *Bonap. Pesc. Eur.* 75.*
Scomber trachurus, *Linn. Syst. Nat.* i. 494. *Bloch, Ichth.* pl. 56. *Bloch, Schneid. Syst. Ichth.* 27. *Don. Brit. Fish.* i. pl. 3. *Turton, Brit. Faun.* 101.
Trachurus saurus, *Rafin. Indice*, 20.
Trachurus vulgaris, *Flem. Brit. An.* 218.
Scad, *Will. Hist. Pisc.* 290, t. S, 22. *Penn. Brit. Zool.* iii. 237, pl. 51, n. 134.
Scad or Horse-Mackerel, *Yarrell.*

HAB.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N.
Firth of Forth.

Fam. XIV. ZEIDÆ.

Zeidæ, *Gray, Syn. Brit. Mus.* 1842, 149. *Swains. Lardn. Cycl. Fish.* ii. 175.
Scomberoides, p., *Cuv. R. A.* ii. 196.
Scomberidæ, p., *Yarr. Brit. Fish.* i.

Scombridæ, p., *Jen. Man.* 310.
Scomberoidei, p., *Müll. Wiegm. Arch.* 1845, p. 136.
Zeides, *Latr. Fam. R. A.* 131.
Scombridæ, Zeini, *Bonap. Saggio*, 1831. *Pesc. Eur.* 75.*
Coryphænidæ, Centrolophini, p., *Bonap. Pesc. Eur.* 77.*

1. ZEUS.

Zeus, *L.*

1. Zeus Faber. Dory. B. M.

Zeus Faber, *Linn. Syst. Nat.* i. 454. *Bloch, Ichth.* pl. 41. *Bloch, Schneid. Syst. Ichth.* 94. *Lacép. Poiss.* iv. 577. *Don. Brit. Fish.* i. pl. 8. *Turton, Brit. Fauna*, 95. *Flem. Brit. An.* 218. *Jen. Man.* 367. *Yarr. Brit. Fish.* i. 162. *Id.* 2 ed. i. 183. *Parn. Fish. Firth of Forth*, 60. *Wern. Mem.* vii. 220.
Doree, *Will. Hist. Pisc.* 294, tab. S. 16. *Penn. Brit. Zool.* iii. 193; n. 100, pl. 41.
Le Dorée, *Cuv. R. A.* ii. 211.
John Dory. *Local name.*
Hab.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R. N.
Firth of Forth. Presented by Dr. Parnell.

2. LAMPRIS.

Lampris, *Retzius, Nya Handl.* 91, 1799.
Chrysotosus, *Lacép. Poiss.* iv. 587, 1802.
Zeus, p., *Linn.*
Scomber, p., *Gunner.*
Stromateus, p., *Holten.*

1. Lampris guttatus. Opah, or King Fish. B. M.

Lampris Luna, *Risso, Hist. Nat. de l'Eur. Mér.* iii. 341. *Flem. Brit. An.* 219. *Jen. Man.* 369.
Zeus Luna, *Gmel. Linn.* i. pt. iii. 1225. *Bloch, Schneid. Syst. Ichth.* 96. *Don. Brit. Fish.* v. pl. 97. *Sowerby, Brit. Misc.* pl. 22. *Turton, Brit. Faun.* 95.
Zeus Strœmii, *Walb. Artedi*, iii. 398.
Zeus guttatus, *Brunn. Nya Saml.* iii. 398, t. A.
Zeus regius, *Bonn. Enc. Méth.*
Zeus imperialis, *Shaw, Nat. Misc.* iv. pl. 140.
Scomber pelagicus. *Gunner, Mem. Dronth.* iv. t. 12, 1.
Zeus Opah, *Penn. Arct. Zool. Suppl.* 419.
Chrysotosus Luna, *Lacép. Poiss.* iv. 586, pl. ix. f. 3.

Stromateus thoracicus, *Holten.*
Lampris guttatus, *Cuv. R. A.* ii. 211. *Cuv. & Val.* x. 39, t. 282. *Yarr. Brit. Fish.* 2 ed. i. 194. *Parn. Wern. Mem.* vii. 223. t. 27, 195, n. 101.
Zeus (Lampris) guttatus, *Rich. Fauna Bor.-Amer.* 83.
Opah, *Penn. Brit. Zool.* iii. pl. 42. *Id.* (edit. 1812), iii. 299, pl. 46.
Opah, or King Fish, *Yarr. Brit. Fish.* i. 173.

Hab.—Coast, (occasional).
Stuffed. Dorsetshire.

3. CENTROLOPHUS.

Centrolophus, *Lacép. Poiss.* iv. 441.
Coryphæna, p., *Linn.*
Perca, p., *Gmel.*
Holocentrus, p., *Lacép.*

1. Centrolophus Pompilus. Black Fish.

Coryphæna Pompilus, *Linn. Syst. Nat.* i. 447.
Coryphæna Morio, *Jen. Man.* 370.
Centrolophus Morio, *Cuv. & Val. Poiss.* ix. 342.
Centrolophus pompilus, *Cuv. & Val.* ix. 334, t. 269. *Yarr. Brit. Fish.* 2 ed. i. 179, (cop. Cuv. & Val.).
Centrolophus niger, *Lacép. Poiss.* iv. pp. 441, 442, pl. 10, f. 2.
Holocentrus niger, *Lacép. Poiss.* iv. 359. *Shaw, Gen. Zool.* iv. 558.
Perca nigra, *Gmel. Linn.* i. pt. iii. 1321.
Perca? Jagonis, *Walb. Artedi*, iii. 352.
Black-Fish, *Jago in Borl. Nat. Hist. of Cornw.* 271, pl. 26, f. 8. *Yarr. Brit. Fish.* i. 158.
Black Ruffe, *Penn. Brit. Zool.* iii. 228.
Black Perch, *Id.* (edit. 1812), iii. 321.

Hab.—Coast of Cornwall.

Fam. XV. GYMNETRIDÆ.

Poissons en ruban, ou Tænioides, p., *Cuv. R. A.* ii. 217, 1829.
Tænioidæ, p., *Rich. Fauna Bor.-Amer.* 85.
Tænioides, *Latr. Fam. R. A.* 141
Peropteres, p., *Dum. Zool. Anal.* 113, 1806.
Petalosomes, p., *Dum. Zool. Anal.* 121, 1806.
Cepolidæ, p., *Bonap. Saggio*, 1831.
Tænioidei, p., *Jen. Man.* 312.
Cepolidæ Cepolini, Lophotini, *Bonap. Specchio, Gen.* 10.
Gymnetridæ, *Gray, Syn. Brit. Mus.* 1842, 149.
Cepolidæ, Trachypterini, *Bonap. Pesc. Eur.* 78.*

1. REGALECUS.

Regalecus, *Brunnich, Soc. Scien. Hafn.* iii. 418, (cop. Walb. in Artedi, Gen. Pisc. iii. 696, 1792. Ascanius, Icon. t. 11.)
Ophidium, p., *Ascanius, Act. Hafn.* iii. 419.
Gymnetrus, p., *Bloch, Schneid.*
Trachypterus, p., *Bonap. Pesc. Eur.* 78.*

1. REGALECUS GLESNE. King of the Herrings. B. M.

Regalecus Glesne, *Ascanius, Icon.* ii. t. 11. *Gray, Proc. Zool. Soc.* 1849, 78, fig.
Ophidium Glesne, *Ascanius, Mem. Soc. Copenh.* iii. 419.
Regalecus remipes, *Brunnich, Nya Saml.* iii. 414, t. B. f. 4, 5, 1788, (cop. Walb. Gen. Pisc. iii. 647, t. 3, f. 4.)
Gymnetrus remipes, *Bloch, Schneid. Syst. Ichth.* 482, t. 88, (cop. Yarrell, i. 223.)
Regalecus Glesne, *Lacép.* ii. 215.
Gymnetrus Ascanii, *Shaw, Zool.* iv. 2, p. 193, t. 27, (cop. Ascanius).
Gymnetre Glesne, *Val. Poiss.* x. 365, 366.
Gymnetrus Grillii, *Lindroth, Kongl. Vetensk. Acad. Nya Handl.* 1798, 288, t. 8. *Bloch, Schneid. Syst. Ichth.* 482. *Val. Poiss.* x. 370.
Gymnetrus Banksii, *Val. Poiss.* x. 365. *Proc. Zool. Soc.* 1849, fig. at p. 80.
Gymnetrus Hawkenii, *Couch, Linn. Trans.* xiv. 77, p., *Jen. Man.* 373, p. *Yarr. Brit. Fish.* i. 220, (not Bloch, t. 425?)
Trachypterus remipes, *Bonap. Pesc. Eur.* 79.*
Gymnetrus Northumbricus, *Hancock, Ann. N. H.* 1849, t.
Sea Serpent, *Ladies' Newspaper, 12th May*, 1849.

HAB.—Coast, (occasional).
Stuffed. Redcar, Yorkshire.

2. BOGMARUS.

Bogmarus, *Bloch, Schneid. Syst. Ichth.* 518.
Trachypterus, *Cuv. & Val.* x.
Gymnogaster, p., *Brunnich.*
Vogmarus, *Reinhardt.*
Gymnetrus, p., *Fleming.*

1. BOGMARUS ARCTICUS. Deal-Fish.

Gymnetrus arcticus, *Jen. Man.* 372.
Bogmarus Islandicus, *Schneid.* 518, t. 101.
Vogmarus Islandicus, *Reinh. Reid, Ann. & Mag. Nat. Hist.* iii. 1849, 456, t. 16, (Anat.)

Gymnogaster arcticus, *Brunn. Nya Saml.* iii. 408, t. B. f. 1, 2, 3. *Cuv. R. A.* ii. 246, 1817. *Swains. Lardn. Cycl. Fish.* ii. 258.
Deal-Fish of Orkney, *Flem. in Mag. of Nat. Hist.* iv. 215, fig.
Trachypterus Bogmarus, *Cuv. & Val.* x. 346. *Yarr. Brit. Fish.* i. 191. *Id.* 2 ed. i. 210. *Bonap. Pesc. Eur.* 79.* *Reid, Ann. and Mag. N. H.* 1849, 456, t.
Vaagmaer, or Deal-Fish, *Yarrell.*
Vagmar, *Olafs. Isl. Reis.* t. 43.

Hab.—Coast. Shetland.

Fam. XVI. THEUTIDÆ.

Theutidæ, *Gray, Syn. Brit. Mus.* 1842, 141.
Theuties, p., *Cuv. R. A.* ii. 222.
Scomberoides, p., *Cuv. R. A.* ii. 211.

1. CAPROS.

Capros, *Lacép. Poiss.* iv. 590, 1802.
Zeus, p., *L.*
Perca, p., *Brunn.*

1. Capros Aper. Boar Fish. B. M.

Zeus Aper, *Gmel. Linn.* i. pt. iii. 1225. *Bloch, Schneid. Syst. Ichth.* 96. *Jen. Man.* 368.
Capros Aper, *Lacép. Hist. Poiss.* iv. 591. *Risso, Hist. Nat. de l'Eur. Mér.* iv. 380. *Cuv. R. A.* ii. 211. *Proc. Zool. Soc.* 1833, 114. *Yarr. Brit. Fish.* 2 ed. i. 190. *Kidd, Zoologist,* 1843, 91, fig.
Aper Rondeletii. *Will. Hist. Pisc.* 296, tab. I. 4, f. 4.
Perca pusilla, *Brunn.* 62.
Boar Fish, *Yarr. Brit. Fish.* i. 169.

Hab.—Coast, (occasional).
Skins and in spirits. Brighton and Plymouth. Presented by J. Reeves, Esq. and Lieut. H. F. Spence, R. N. Weymouth.

Fam. XVII. SYNGNATHIDÆ.

Syngnathidæ, *Gray, Syn. Brit. Mus.* 1842, 149. *Swains. Lardn. Cycl. Fish.* ii. 195.
Prostomides, *Latr. Fam. R. A.* 117.
Osteodermi, *Jen. Man.* 324.
Syngnathidæ, Syngnathini, Scyphini, *Bonap. Specchio Gen.* 11.
Lophobranches, *Cuv. R. A.* ii. 361.
Lophobranchia, *Latr. Fam. R. A.* 116.

Acanthopterygii, p., *Artedi, Gen. Pisc.* 26.
Enchelares, p., *Planander, Anim. in Class. Pisc.* 19.
Eleutheropomes, p., *Dum. Zool. Anal.* 105.
Signatidi, *Rafin. Indice*, 36.
Osteodermes, p., *Dum. Zool. Anal.* 109.
Lophobranchii, *Rich. Faun. Bor.-Amer.* 12. *Jen. Man.* 323. *Bonap. Specchio Gen.* 11.
Pentapterygii, Apodes, p., *Bloch, Schneid. Syst.* 58.
Ganoïdes, p., *Agassiz, Poiss. Foss.* iv. 1834.
Lophobranchii, Lophobranchi, *Müll. Wiegm. Arch.* 1845, 137.

1. SYNGNATHUS.

Syngnathus, *L.*
Syngnathus and Acus, *Swains. Lardn. Cycl. Fish.*
Syngnathi marsupiales et S. ophidii, *Fries, Wiegm. Arch.* 1838, 238.
Siphostoma, p., *Rafin.*

* Siphostoma, *Raf. Ch.* 18. *Anal.* 90. *Bonap. Pesc. Eur.* 89.*

1. SYNGNATHUS ACUS. Great Pipe-Fish. B. M.

Syngnathus Acus, *Linn. Syst. Nat.* i. 416. *Bloch, Ichth.* pl. 91, f. 1, (junr.), f. 2, (adult). *Bloch, Schneid. Syst. Ichth.* 514. *Turton, Brit. Faun.* 116. *Flem. Brit. An.* 175. *Jen. Man.* 484. *Fries, Wiegm. Arch.* 1838, 239. *Yarr. Brit. Fish.* 2 ed. ii. 432.
Syngnathus major, *Swains. Lardn. Cycl. Fish.* ii. 333.
Longer Pipe, *Penn. Brit. Zool.* iii. pl. 23, n. 60, lower fig. ♂, upper fig. ♀. *Low, Faun. Orc.* 181.
Tangle-fish. *Scotland.*
Syngnathus pelagicus, *Don. Brit. Fish.* iii. pl. 58, (nec L.) *Turton, Brit. Faun.* 117. *Flem. Brit. An.* 176. *Jen. Man.* 486.
Siphostoma acus, *Rafin. Indice*, 36. *Bonap. Pesc. Eur.* 89.*
Typhle heptagonus, *Raf. Ind.*

HAB.—Coast.
Skins and in spirits. Devon. Presented by Lieut. H. F. Spence, R. N.
Falmouth. Firth of Forth.

2. SYNGNATHUS TYPHLE. Deep-nosed Pipe-Fish. B. M.

Syngnathus Typhle, *Linn. Syst Nat.* i. 416. *Bloch, Schneid. Syst. Ichth.* 414. *Don. Brit. Fish.* iii. pl. 56. *Turton, Brit. Faun.* 116. *Flem. Brit. An.* 175. *Jen. Man.* 485. *Fries, Wiegm. Arch.* 1838, 241, t. 6, f. 2 (head). *Yarr. Brit. Fish.* 2 ed. ii. 439. *Parn. Wern. Mem.* vii. 396.

Syngnathus acus, *Ekstr. Werh. k. Akad. Wiss.* 1831, t. 1, f. 1, 2, p. 271.
Typhle hexagonus, *Rafin. Indice*, 36.
Syngnathus Rondeletii, *Laroche, Ann. de Mus.* xiii. t. 21, 5.
Syngnathus viridis, *Risso. Guér. Icon.* t. 65, f. 1.
Acus Aristotelis, *Will. Hist. Pisc.* 158, tab. I. 25, f. 1.
Deep-nosed Pipe-fish, *Yarrell.*
Siphostoma tiphle, *Bonap. Pesc. Eur.* 89.*

Hab.—Coast.
Skins and in spirits. Dorset. Presented by W. Yarrell, Esq. Firth of Forth.

** Syngnathus, *Raf. Anal.* 90. *Bonap. Pesc. Eur.* 90.*
Scyphius p., *Risso.*
Acestra, p., *Hamilton, Jard. Nat. Libr.*

3. Syngnathus æquoreus. Æquoreal Pipe-Fish. B. M.

Syngnathus æquoreus, *Linn. Syst. Nat.* i. 417. *Mont. Wern. Mem.* i. 85, pl. 4, f. 1. *Flem. Brit. An.* 176. *Jen. Man.* 486. *Fries, Wiegm. Arch.* 1838, 246, t. 6, f. 3 (head). *Yarr. Brit. Fish.* 2 ed. ii. 442. *Parn. Wern. Mem.* vii. 398. *Bonap. Pesc. Eur.* 90.
Acus nostras caudâ serpentinâ, *Sibb. Scot. Illustr.* pt. ii. t. ii. 24, tab. 19.
Syngnathus Sibbaldi, *Walb. Artedi*, iii. 6.
Pontiphis æquoreus, *Leach, MSS.*
Acus equoreus, *Swains. Lardn. Cycl. Fish.* ii. 333.
Acestra æquorea, *Hamilton, Jard. Nat. Libr. Brit. Fish.* 409.
Æquoreal Pipe-Fish, *Brit. Zool.* (edit. 1812), iii. 188. *Yarrell*, ii 442.
Painted Sea Adder. *Cornwall.*

Hab.—Coast.
Skin. S. Devon.

4. Syngnathus anguineus. Snake Pipe-Fish. B. M.

Syngnathus Ophidion, *Bloch, Ichth.* pl. 91, f. 3, (not L.) *Bloch, Schneid. Syst. Ichth.* 515. *Gmel. Linn.* i. pt. iii. 1456? *Jen. Man.* 487. *Parn. Wern. Mem.* vii. 399.
Nematosoma ophidion, *Leach, MSS.*
Var. Syngnathus maximus, *Walb. Artedi*, iii. 7.
Syngnathus anguineus, *Jen. Cat. of Brit. Vert. An.* 30, sp. 176. *Yarr. Brit. Fish.* 2 ed. ii. 445. *Bonap. Pesc. Eur.* 90.
Acus ophidion, *Swains. Lardn. Cycl. Fish.* iii. 333.
Acestra anguinea, *Hamilton, Jard. Nat Libr. Brit. Fish.* 409.

Snake Pipe-Fish, *Shaw, Gen. Zool.* v. pt. ii. 453, pl. 179, (cop. Bloch).
Longer Pipe-Fish, *Low, Faun. Orc.* 179. *Penn. Brit. Zool.* iii. 138, pl. 23, n. 61. *Id.* (edit. 1812), iii. 184, pl. 26, n. 61. *Jen. Man.* 488.
Syngnathus barbarus, *Bloch, Schneid. Syst. Ichth.* 516. *Turton, Brit. Faun.* 117. *Flem. Brit. An.* 176.

HAB.—Coast.
Skins. S. of England.
Dorset. Presented by W. Yarrell, Esq.
Firth of Forth.

*** Nerophis, *Raf. Anal.* 90. *Bonap. Pesc. Eur.* 91.*
Scyphius, *Risso.*
Acestra, p., *Hamilton, Jard. Nat. Libr.*
Nematosoma, *Eichw.*

5. SYNGNATHUS OPHIDION. The Straight-nosed Pipe-Fish.

Syngnathus ophidion, *Linn. Syst. Nat.* i. 417.. *Faun. Suec.* 131, (nec Bloch). *Fries, Wiegm. Arch.* 1838, 248, t. 6, f. 4. *Yarr. Brit. Fish.* ii. 447.
Syngnathus lumbriciformis, *Jen. Man.* 488, (nec Yarrell).
Nerophis ophidion, *Bonap. Pesc. Eur.* 91.

HAB.—Coast.

6. SYNGNATHUS LUMBRICIFORMIS. Worm Pipe-Fish. B. M.

Syngnathus lumbriciformis, *Yarr. Brit. Fish.* ii. 450. *Fries, Wiegm. Arch.* 1838, 249, t. 6, f. 5, 6, 7, 8.
Syngnathus Ophidion, *Flem. Brit. An.* 176.
Pontiphis parvus, *Leach, MSS.*
Acus lumbriciformis, *Will. Hist. Pisc.* 160. *Swains. Lardn. Cycl. Fish.* ii. 333.
Little Pipe-Fish, *Penn. Brit. Zool.* iii. 141, pl. 33, n. 62. *Id.* (edit 1812), iii. 187, n. 62.
Acestra lumbriciformis, *Hamilton, Jard. Nat. Libr.* 410.
Nerophis lumbriciformis, *Bonap. Pesc. Eur.* 91.

HAB.—Coast.
Skins and in spirits. Plymouth. Presented by Lieut. H. F. Spence, R. N., and collection of Dr. Leach.

2. HIPPOCAMPUS.

Hippocampus, *Leach*, *Zool. Misc.* i. 103. *Cuv. R. A.* ii. 363.
Syngnathus, p., *Linn.*

1. Hippocampus brevirostris. Sea-Horse.

Hippocampus brevirostris, *Cuv. R. A.* ii. 363. *Jen. Man.* 489. *Yarr. Brit. Fish.* 2 ed. ii. 452.
Hippocampus vulgaris, *Flem. Brit. An.* 176?
Hippocampus Rondeletii, *Will. Hist. Pisc.* tab. 1, 25, f. 3.
Hippocampus antiquorum, *Leach*, *Zool. Misc.* i. 104?
Short-nosed Hippocampus, *Yarrell.*

Hab.—Coast, (occasional).

Fam. XVIII. FISTULARIADÆ.

Bouches en flute, *Cuv. R. A.* ii. 266, 1829.
Fistularoideæ, *Rich. Faun. Bor-Amer.* 107.
Aulostomides, *Latr. Fam. R. A.* 129.
Scomberoides, p., *Latr. Fam. R. A.* 132.
Aphyostomes, p., *Dum. Zool. Anal.* 107, 1806.
Siphonostomes, p., *Dum. Zool. Anal.* 139, 1806.
Centrischini, *Rafin. Indice*, 34.
Fistularini, Centriscini, *Bonap. Saggio, &c.* 1831.
Fistularidæ, Centriscini, *Bonap. Specchio Gen.* 9, 1845.
Centriscidæ, p., *Jen. Man.* 315.
Aulostominæ, *Swains. Lardn. Cycl. Fish.* ii. 175.
Fistulariadæ, *Gray*, *Syn. Brit. Mus.* 1842, 149.

1. CENTRISCUS.

Centriscus, *Linn.*

1. Centriscus Scolopax. Trumpet-Fish.

Centriscus Scolopax, *Linn. Syst. Nat.* i. 415. *Bloch, Ichth.* pl. 123. f. 1. *Bloch, Schneid. Syst. Ichth.* 112. *Don. Brit. Fish.* iii. pl. 63. *Turton, Brit. Faun.* 117. *Shaw, Nat. Misc.* xiv. pl. 584. *Flem. Brit. An.* 220. *Cuv. R. A.* ii. 268. *Jen. Man.* 400. *Yarr. Brit. Fish.* i. 302. *Id.* 2 ed. i. 346.
Trumpet-Fish, *Will. Hist. Pisc.* 160, c. xi. tab. 1, 25, f. 2. *Couch, in Linn. Trans.* xiv. 89.

Snipe-nosed Trumpet-Fish, *Editor of Penn. Brit. Zool.* (edit. 1812), iii. 190.
Le Centrisque Becasse, *Lacép. Poiss.* ii. 95.
Bellows-fish. *Cornwall.*

HAB.—Coast, (rare).

Fam. XIX. BLENNIIDÆ.

Blenniidæ, *Gray, Syn. Brit. Mus.* 1842, 149. *Bonap. Pesc. Eur.* 66.*
Gobidæ, Blennini, *Bonap. Saggio. Pesc. Eur.* 66.
Blennidæ, *Bonap. Specchio*, 10.
Heptapterygii, Jugulares, p., *Bloch, Schneid.* 35.
Pentapterygii, Apodes, p., *Bloch, Schneid.* 56.
Blenniusidæ, *Flem. Brit. An.* 202, 1828.
Gobiadæ, p., *Jen. Man.* 313.
Blennii, p., *Bonap. Pesc. Eur.* 63, 1846.

1. BLENNIUS.

Blennius, *L.*

* Icthyocoris, *Bonap. Pesc. Eur.* 67.

1. BLENNIUS MONTAGUI. Montagu's Blenny. B. M.

Blennius Galerita, *Mont. Wern. Mem.* i. 98, pl. 5, f. 2, (nec L.) *Jen. Man.* 381.
Alauda cristata sive Galerita, *Will. Hist. Pisc.* 134.
Blennius Montagui, *Flem. Brit. An.* 206. *Cuv. & Val.* xi. 234. *Yarr. Brit. Fish.* i. 249.
Diminutive Blenny, *Editor of Brit. Zool.* (edit. 1812), iii. 277.
Montagu's Blenny, *Yarr. Brit. Fish.* i. 219. *Id.* 2 ed. i. 249.
Icthyocoris Montagui, *Bonap. Pesc. Eur.* 67.*

HAB.—Coast.
In spirits. Falmouth.

** Blennius, *Bonap. Pesc. Eur.* 66.

2. BLENNIUS OCELLARIS. Butterfly Fish. B. M.

Blennius ocellaris, *Brunn.* 25. *Bloch, Ichth.* pl. 167, f. 1. *Bloch, Schneid. Syst. Ichth.* 168. *Mont. Wern. Mem.* ii. 443, pl. 22, f. 2. *Flem. Brit. An.* 206. *Jen. Man.* 378. *Yarr. Brit. Fish.* i. 223. *Id.* 2 ed. i. 253.

Blennius lepus, *Lacép. Poiss.* ii. 461.
Butterfly Fish, *Will. Hist. Pisc.* 131, tab. H. 3, f. 2.
Ocellated Blenny, or Butterfly Fish, *Yarrell.*
Le Blennie papillon, *Cuv. R. A.* ii. 237.

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R. N.
In spirits. S. Devon. Collections of Montagu and Leach.

3. BLENNIUS GATTORUGINE. Gattoruginous Blenny. B. M.

Blennius Gattorugine, *Brunn.* 27. *Donov. Brit. Fish.* iv. pl. 86. *Mont. Wern. Mem.* ii. 447. *Turton, Brit. Faun.* 92. *Flem. Brit. An.* 206. *Jen. Man.* 379.
Blennius gattorugina, *Lacép. Poiss.* ii. 468.
Blennius patuvanus, *Raf. Ind.* t. 4, f. 2.
Blennius fasciatus, *Risso, Eur. Mer.* iii.
Gattorugine, *Will. Hist. Pisc.* 132, c. xx. tab. H. 2, f. 2.
Gattorugin, *Penn. Brit. Zool.* iii. 181, pl. 35. n. 91.
Gattoruginous Blenny, *Yarr. Brit. Fish.* i. 226. *Id.* 2 ed. i. 256.

HAB.—Coast.
Skin and spirits. Devon. From collection of Dr. Leach.

4. BLENNIUS PENNANTII. Crested Blenny. B. M.

Blennius palmicornis, *Jen. Man.* 380, (not Cuv.)
Blennius Galerita, *Ascan. Ic.* t. 19. *Flem. Brit. An.* 207, (not Linn.) *Turton, Brit. Faun.* 92.
Blennius Pennantii, *Jen. Cat. of Brit. Vert. An.* 24, sp. 54, 1834.
Crested Blenny (Blennius galerita), *Penn. Brit. Zool.* iii. pl. 35, n. 90, (but not p. 206). *Yarr. Brit. Fish.* i. 233.
Blennius coquillad, *Lacép. Poiss.* ii. 477.
Blennius Yarrellii, *Cuv. & Val.* xi. 218. *Yarr. Brit. Fish.* 2 ed. i. 263, 183 *Bonap. Pesc. Eur.* 67.*

HAB.—Coast.
In spirits. Polperro, Cornwall. Presented by Jon. Couch, Esq.

2. PHOLIS.

Pholis, *Flem. Brit. An.* 207. *Bonap. Pesc. Eur.* 68.*
Blennius, p., *L.*
Pholis, p., *Artedi.*

1. PHOLIS LÆVIS. Smooth Blenny, or Shan. B. M.

Blennius Pholis, *Linn. Syst. Nat.* i. 443. *Bloch, Ichth.* pl. 71, f. 2. *Bloch, Schneid. Syst. Ichth.* 170. *Lacép. Poiss.* ii. 489. *Don. Brit. Fish.* iv. pl. 79. *Turton, Brit. Faun.* 93. *Jen. Man.* 382. *Parn. Wern. Mem.* vii. 233. *Yarr. Brit. Fish.* i. 230. *Id.* 2 ed. i. 266.

Alauda non cristata, *Will. Hist. Pisc.* 133, c. xxi. tab. H. 6, f. 2.

Cataphractus lævis, Smooth Shan, *Jago, Ray, Syn.* 164, f. 10.

Pholis lævis, *Flem. Brit. An.* 207.

Smooth Blenny, *Penn. Brit. Zool.* iii. 182, pl. 36. *Id.* (edit. 1812), iii. 280, pl. 40.

Shanny, or Smooth Shan, *Yarrell.*

Baveuse commune, *Cuv. R. A* ii. 238.

Stone-fish, *Parnell.* Mulgranoc, Bulcard. *Local names.*

HAB.—Coast.

Skins and in spirits. Polperro, Falmouth and Devon. Presented by J. Couch, Esq. and Lieut. H. F. Spence.

Firth of Forth.

3. CENTRONOTUS.

Centronotus, *Bloch, Schneid. Syst. Ichth.* 165, 1801.

Blennius, p., *Linn.*

Gunnellus, p., *Flem. Brit. An.* 207, 1828.

Gunellus, *Bonap. Pesc. Eur.* 69.*

Murænoides, p., *Lacép. Poiss.* ii. 324.

Ophisomus, *Swains. Lardn. Cycl. Fish.* ii. 277.

1. CENTRONOTUS GUNNELLUS. Spotted Gunnel. B. M.

Blennius Gunnellus, *Linn. Syst. Nat.* i. 443. *Bloch, Ichth.* pl. 71, f. 1. *Lacép. Poiss.* ii. 503. *Don. Brit. Fish.* ii. pl. 27. *Turton, Brit. Faun.* 93. *Jen. Man.* 383.

Gunnellus Cornubiensium, Butter-fish, *Will. Hist. Pisc.* 115, c. ix. tab. G. 8, f. 3.

Centronotus Gunellus, *Bloch, Schneid. Syst. Ichth.* 167. *Wright, Fries & Ekstr. Skand. Fisk.* 105, t. 25, f. 1.

Ophidion flavum, *Schonev.*

Ophidion imberbe, *Schonev.*

Gunnellus vulgaris, *Flem. Brit. An.* 207.

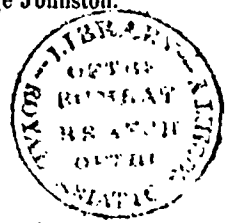
Gunellus vulgaris, *Bonap. Pesc. Eur.* 69.*

Ophisomus gunnellus, *Swains. Lardn. Cycl. Fish.* ii. 277.

Blennius (Centronotus) gunnellus, *Rich. Faun. Bor.-Amer.* 91. ...

Spotted Blenny, *Penn. Brit. Zool.* iii. 183, pl. 35, n. 93. *Id.* (edit. 1812), iii. 282, pl. 39.
Murænoides guttata, *Yarr. Brit. Fish.* i. 239. *Id.* 2 ed. i. 269.
Spotted Gunnel, or Butter-Fish, *Yarrell.*
Var. Purple Blenny, *Low, Faun. Orcad.* 203. *Parn. Wern. Mem.* vii. 235.
Butter-fish. *Cornwall.*
Swaar-fish, Swordick. *Orkney.*
Stane-checker. *Scotland.*

Hab.—Coast.
Skins and in spirits. Devon and Berwick on Tweed. Presented by Lieut. H. F. Spence, R. N., and Dr. George Johnston. Firth of Forth.



4. ZOARCES.

Les Zoarcès, *Cuv. R. A.* 240.
Zoarces, *Jen. Man.* 386.
Blennius, p., *L.*
Gunnellus, p., *Flem. Brit. An.* 207.
Zoarcæus, *Wright, Skand. Fisk. Bonap. Pesc. Eur.* 69.*
Zoarchus, *Swains. Lardn. Cycl. Fish.* ii. 283.

1. Zoarces viviparus. Viviparous Blenny. B. M.

Zoarces viviparus, *Cuv. R. A.* ii. 240. *Jen. Man.* 384. *Yarr. Brit. Fish.* i. 243. *Id.* 2 ed. i. 273. *Parn. Wern. Mem.* vii. 237.
Zoarchus viviparus, *Swains. Lardn. Cycl. Fish.* ii. 283.
Zoarcæus viviparus, *Wright, Fries & Eckstr. Skand. Fisk.* 36, t. 8, f. 1. *Bonap. Pesc. Eur.* 69.*
Blennius viviparus, *Linn. Syst. Nat.* i. 443. *Bloch, Ichth.* pl. 72. *Bloch, Schneid. Syst. Ichth.* 171. *Don. Brit. Fish.* ii. pl. 34. *Turton, Brit. Faun.* 93.
Blennius Lumpenus, *Linn. Syst. Nat.* i. 444.
Blennius ovoviviparus, *Lacép. Poiss.* ii. 496.
Mustela vivipara, *Will. Hist. Pisc.* 122, tab. H. 3, f. 5.
Enchelyopus chlorosteon, *Leach, MSS.*
Guffer, Eelpout, *Sibb. Scot.* iii. 25.
Gunnellus viviparus, *Flem. Brit. An.* 207.
Viviparous Blenny, *Penn. Brit. Zool.* iii. 184, n. 94, pl. 37. *Id.* (edit. 1812), iii. 283, pl. 41.
Eel-pout, Guffer, Green-bone. *Scotland.*

Maruna Eel. *Berwick.*
Bard. *Edinburgh.*

Hab.—Coast.
Skins and in spirits. Greenwich. Presented by W. Yarrell, Esq. Firth of Forth. Mus. Leach.

5. ANARRHICHAS.

Anarrhichas, *L.*

1. Anarrhichas Lupus. Wolf-Fish. B. M.

Anarrhichas Lupus, *Linn. Syst. Nat.* i. 430. *Ascanius, Icon.* t. 25. *Bloch, Ichth.* 74. *Lacép. Poiss.* ii. 300. *Don. Brit. Fish.* i. 24. *Turton, Brit. Faun.* 87 ("*Anarichas*"). *Flem. Brit. An.* 208. *Rich. Faun. Bor.-Amer.* 95. *Jen. Man.* 384. *Wright, Fries & Eckstr. Skand. Fish.* 23, t. 8, f. 2. *Yarr. Brit. Fish.* i. 247. *Id.* 2 ed. i. 277. *Parn. Wern. Mem.* vii. 339. *Bonap. Pesc. Eur.* 69.*
Anarrhichas strigosus, *Gmel. Syst. Nat.* i. 1144.
Wolf-Fish, *Will. Hist. Pisc.* 130, c. xviii. t. H. 3, f. 1.
Cat-Fish, *Sibb. Scot.* iii. 25, t. 16.
Ravenous Wolf-Fish, *Penn. Brit. Zool.* iii. 133, n. 65, pl. 24. *Id.* (edit. 1812) iii. 201, 27).
Sea-Wolf, Sea-Cat. *Scotland.*
Swine-Fish. *Orkney.*

Hab.—Coast.
Skins and stuffed. English Coast and the Firth of Forth.

6. OPHIDIUM.

Ophidium, *L.*
Enchelyopus, p., *Klein.*
Fierasfer, p., *Cuv. R. A.* ii. 359.

* Ophidium, *Bonap. Pesc. Eur.* 41.*

1. Ophidium barbatum. The Bearded Ophidium.

Ophidium barbatum, *Linn. Syst. Nat.* i. 431. *Bloch, Ichth.* pl. 159, f. 1. *Lacép. Poiss.* ii. 279. *Bloch, Schneid. Syst. Ichth.* 484. *Berkenh. Syn.* i. 66. *Turton, Brit. Faun.* 88. *Cuv. R. A.* ii. 359. *Jen. Man.* 481. *Yarr. Brit. Fish.* 2 ed. ii. 415.

Enchelyopus barbatus, *Klein, Misc. Pisc.* iv. 52.

Hab.—Coast.

** Fierasfer, *Bonap. Pesc. Eur.* 41.*

2. Ophidium imberbe. Beardless Ophidium. B. M.

Ophidium imberbe, *Linn. Syst. Nat.* i. 431. *Lacép. Poiss.* ii. 279. *Mont. in Wern. Mem.* i. 95, pl. 4, f. 2. *Turton, Brit. Faun.* 88. *Flem. Brit. Ann.* 201. *Jen. Man.* 481. *Yarr. Brit. Fish.* 2 ed. ii. 412.
Fierasfer imberbis, *Cuv. R. A.* ii. 359. *Bonap. Pesc. Eur.* 41.*
Ophidium punctatum, *Rafin. Caratt*, 19, t. 15, f. 4.
Notopterus Fontanesii, *Risso.*
Fierasfer Fontanesii, *Costa, Faun. Nap.* t. 20, *bis.*
" Carapus acus, *Rafin.?*" *Bonap.*
Beardless Ophidium, *Penn. Brit. Zool.* iii. *App.* 346, iv. pl. 93? *Id.* (edit. 1812) iii. 208, pl. 29.

Hab.—Coast.

7. ECHIODON.

Echiodon, *Thomp. Proc. Zool. Soc.* 1837.

1. Echiodon Drummondii. Drummond's Echiodon.

Echiodon Drummondii, *Thomp. Proc. Zool. Soc.* 55, 1837. *Trans. Zool. Soc.* ii. pt. iii. 207, pl. 38. *Yarr. Brit. Fish.* 2 ed. ii. 417.
Echiodon drummondi, *Bonap. Pesc. Eur.* 41.*

Hab.—Coast (Ireland).

Fam. XX. GOBIIDÆ.

Gobioides, p., *Cuv. R. A.* ii. 236.
Tænioides, p., *Cuv. R. A.* ii. 217.
Gobioideæ, p., *Rich. Faun. Bor.-Amer.* 88.
Blennidi, p., *Rafin. Indice*, 8, 1810.
Octopterygii, Thoracici, p., *Bloch, Schneid. Syst.* 28.
Pantopteres, p., *Dum. Zool. Anal.* 115, 1806.
Auchenopteres, p., *Dum. Zool. Anal.* 117, 1806.
Plecopodes, p., *Dum. Zool. Anal.* 123, 1806.

Blennides, p., *Swains. Lardn. Cycl. Fish.* ii. 182.
Gobiadæ, p., *Jen. Man.* 313.
Gobiadæ, Gobini, *Bonap. Saggio.*
Gobidæ, *Bonap. Specchio Gen.* 10.
Cyclopodi, Gobioiden, *Müll. Wiegm. Arch.* 1843, 297.
Gobiidæ, *Gray, Syn. Brit. Mus.* 1842, 149.
Cepolidæ, Cepolini, p., *Bonap. Pesc. Eur.* 79*

1. GOBIUS.

Gobius, *L.*
Eleotris, p., *Bloch, Schneid.*

1. GOBIUS NIGER. Black Goby. B. M.

Gobius niger, *Linn. Syst. Nat.* i. 449 (nec Donov.) *Turton, Brit. Faun.* 94. *Jen. Man.* 385. *Ekstr. in Wright, Skand. Fish.* 157, t. 36. *Yarr. Brit. Fish.* i. 251. *Id.* 2 ed. i. 281. *Cuv. R. A.* ii. 243. *Cuv. & Val. Poiss.* xii. 9. *Parn. Wern. Mem.* vii. 240, t. 29. *Bonap. Pesc. Eur.* 63.*
Gobius jozo, *Müll.* (nec Linn.)
Sea Gudgeon, *Will. Hist. Pisc.* 206, tab. N. 12, f. 1.
Black Goby, *Penn. Brit. Zool.* iii. 186, n. 95, pl. 38.
Rock-fish, Groundling. *Local names.*

HAB.—Coast.
Skins and in spirits. Plymouth. Presented by Lieut. H. F. Spence, R. N.
Devon, Falmouth and Firth of Forth.

2. GOBIUS RUTHENSPARRI. Two-spotted Goby. B. M.

Gobius Ruthensparri, *Euphr. Nov. Act. Stockh.* vii. 62, t. 3, f. 1. *Cuv. & Val.* xii. 48. *Yarr. Brit. Fish.* 2 ed. i. 285. *Bonap. Pesc. Eur.* 64.*
Gobius bipunctatus, *Yarr. Brit. Fish.* i. 255. *Jen. Man.* 386. *Parn. Wern. Mem.* vii. 246.
Gobius niger, *Don. Brit. Fish.* v. pl. 104, (nec Linn.) *Flem. Brit. An.* 206.
Double-spotted Goby, *Yarr. Brit. Fish.* 2 ed. i. 285.

HAB.—Coast.
In spirits. Berwick and Polperro. Presented by Dr. George Johnston and J. Couch, Esq.

3. GOBIUS MINUTUS. Spotted Goby. B. M.

Gobius minutus, *Pallas, Spic. Zool.* 8, p. 4. *Gmel. Linn.* i. pt. iii. 1199. *Don. Brit. Fish.* ii. pl. 38. *Turton, Brit. Faun.* 94. *Flem. Brit. An.* 206. *Jen. Man.* 386. *Yarr. Brit. Fish.* i. 258. *Id.* 2 ed. i. 288. *Parn. Wern. Mem.* vii. 242, t. 29.
Gobius aphya, *Walb. Artedi*, iii. 192. *Bloch, Schneid. Syst. Ichth.* 70.
Eleotris minuta, *Bloch, Schneid. Syst. Ichth.* 66.
Spotted Goby, *Penn. Brit. Zool.* iii. 187, n. 96, pl. 37.
Freckled Goby, *Parnell.*
Polewig, *Thames fishermen.*

HAB.—Coast.
In spirits. Mouth of Thames. Presented by J. Trembly, Esq.
Devon. Firth of Forth.

4. GOBIUS GRACILIS. Slender Goby. B. M.

Gobius gracilis, *Jen. Cat. of Brit. Vert. An.* 25, sp. 63. *Man.* 387. *Parn. Wern. Mem.* vii. 245, t. 29. *Yarr. Brit. Fish.* i. 260. *Id.* 2 ed. i. 290. *Bonap. Pesc. Eur.* 64.*
Slender Goby, *Yarrell.*

HAB.—Coast.
In spirits. Scotland. Presented by Dr. Geo. Johnston.

5. GOBIUS UNIPUNCTATUS. One-spotted Goby. B. M.

Gobius unipunctatus, *Parn. Wern. Mem.* vii. 243, t. 29. *Yarr. Suppl. to Hist. Brit. Fish.* 24. *Id.* 2 ed. *Hist. Brit. Fish.* i. 292. *Bonap. Pesc. Eur.* 64.*

HAB.—Coast.
In spirits. Falmouth.

6. GOBIUS ALBUS. The White Goby. B. M.

Gobius albus, *Parnell, Trans. of the Roy. Soc. of Edinb.* xiv. *Wern. Mem.* vii. 29. *Yarr. Suppl. to Hist. Brit. Fish.* 27. *Id.* 2 ed. i. 295. *Bonap. Pesc. Eur.* 64.*

HAB.—Coast.
In spirits. Firths of Forth and Solway. (Coll. Parnell).

2. CEPOLA.

Cepola, *Linn.*

1. CEPOLA RUBESCENS. Red Band-fish. B. M.

Cepola rubescens, *Linn. Syst. Nat.* i. 445. *Mont. in Linn. Trans.* vii. 291, pl. 17. *Turton, Brit. Faun.* 94. *Don. Brit. Fish.* v. pl. 105. *Flem. Brit. An.* 204. *Cuv. R. A.* ii. 221. *Jen. Man.* 374. *Yarr. Brit. Fish.* i. 195. *Id.* 2 ed. i. 224. *Swains. Lardn. Cycl. Fish.* ii. 397. *Bonap. Pesc. Eur.* 79.*
Cepola Tænia, *Bloch, Ichth.* pl. 170? *Bloch, Schneid. Syst. Ichth.* 241. *Lacép. Poiss.* ii. 526.
Cepola serpentiformis, *Lacép. Poiss.* ii. 528.
Serpens rubescens, *Will. Hist. Pisc.* 118, c. 13.
Cepola marginata, *Rafin. Caratt.* 56, t. 16, f. 4.
Red Band-Fish, *Brit. Zool. (Pennant)*, edit. 1812, iii. 285.
Red Snake-Fish, *Couch, in Linn. Trans.* xiv. 76.

HAB.—Coast.
Skins and in spirits. Salcomb, Devon, Kingsbridge. Collections of Montagu and Cranch.
Scotland. Presented by Dr. Geo. Johnston.

2. CEPOLA LONGICAUDA. Long-tailed Band-fish.

Cepola longicauda, *Swains. Lardn. Cycl. Fish.* ii. 399.
Cepola rubescens, var., *Bonap. Pesc. Eur.* 79.*

HAB.—Coast, (occasional).

Fam. XXI. CALLIONYMIDÆ.

Callionymidæ, *Gray, Syn. Brit. Mus.* 1842, 149.
Anchenopteres, p., *Dum. Zool. Anal.* 117.
Gobioides, p., *Cuv. R. A.* ii. 236.
Octopterygii, Jugulares, p., *Bloch, Schneid.* 39.
Callionymidæ, Callionymini, *Bonap. Pesc. Eur.* 69.*

1. CALLIONYMUS.

Callionymus, *Linn.*

1. CALLIONYMUS LYRA. Gemmeous Dragonet. B. M.

Callionymus Lyra, *Linn. Syst. Nat.* i. 433 (male). *Bloch, Ichth.* pl. 161. *Lacép. Poiss.* ii. 329. *Bloch, Schneid. Syst. Ichth.* 39. *Don. Brit. Fish.* i. pl. 9. *Turton, Brit. Faun.* 88. *Flem. Brit. An.* 208. *Wright, Fries & Ekstr. Scand. Fisk.* 95, t. 22. t. 23. *Jen. Man.* 388. *Parn. Wern. Mem.* vii. 248. *Yarr. Brit. Fish.* i. 261. *Id.* 2 ed. i. 297 (fig. cop. Wright, Skand. Fisk).

Dracunculus, *Will. Hist. Pisc.* 136, tab. H. 6, f. 3.

Gemmeous Dragonet, *Penn. Brit. Zool.* iii. 145, pl. 27. *Id.* (edit. 1812), iii. 221, pl. 31.

Yellow Skulpin. *Cornwall.*

Yellow Gurnard, Rotchet, Illeck. *Local names.*

Gowdie, Chanticleer. *Scotland.*

Callionymus dracunculus, *Linn. Syst. Nat.* i. 433, (female). *Penn. Brit. Zool.* iii. 224, t. 32. *Bloch*, t. 162. *Bloch, Schneid. Syst. Ichth.* 40. *Lacép. Poiss.* ii. 335. *Turton, Brit. Faun.* 89. *Don. Brit. Fish.* iv. t. 84. *Johnston, Zool. Journ.* iii. 336. *Cuv. & Val.* xii. 274. *Jen. Brit. Vert.* 389. *Yarr. Brit. Fish.* i. 302. *Parn. Wern. Mem.* vii. 250.

Callionymus lyra (female), *Neill, Wern. Mem.* i. 529. *Flem. Brit. An.* 208. *Wright, Fries. & Ekstr. Skand. Fisk.* t. 23.

Sordid Dragonet, *Pennant.*

Fox. *Kent.*

Skulpin. *Cornwall.*

HAB.—Coast.

Skins and in spirits. Specimens from Plymouth, Polperro and Brighton. Presented by Lieut. H. F. Spence, R. N., and Messrs. Couch and Children.

Mouth of Thames and Firth of Forth. Mus. Leach and Parnell.

Fam. XXII. ECHENEIDIDÆ.

Eleutheropodes, *Dum. Zool. Anal.* 123, 1806.

Discobola, p., *Latr. Fam. R. A.* 127.

Gadi, p., *Bonap. Specchio Gen.* 10.

Echeneididæ, *Jen. Man.* 322.

Echeneididæ, Echeneidini, *Bonap. Specchio Gen.* 10.

Echeneidæ, *Rich. Faun. Bor.-Amer.* 265.

Cyclopodi, Echeneiden, *Müll. Wiegm. Arch.* 1843, 297.

Echeneisidæ, *Gray, Syn. Brit. Mus.* 143.

Blennii, Echeneididæ, *Bonap. Pesc. Eur.* 66.

1. ECHENEIS.

Echeneis, *Linn.*

1. ECHENEIS REMORA. Remora.

Echeneis Remora, *Linn. Syst. Nat.* i. 446. *Bloch, Ichth.* t. 172. *Bloch, Schneid. Syst. Ichth.* 240. *Lacép. Poiss.* iii. 147. *Turton, Brit. Faun.* 94, (Echineis). *Cuv. R. A.* ii. 347. *Jen. Man.* 473. *Yarr. Brit. Fish.* 2 ed. ii. 377. *Bonap. Pesc. Eur.* 66.*
Echeneis Musignani, *Costa, Faun. Nap.* t. ?
Echeneis arrosti, *Cocco ? Bonap.*
Remora, *Will. Hist. Pisc.* 119, *App.* tab. 9, f. 2.
Mediterranean Remora, *Brit. Zool.* (edit. 1812), iii. *App.* p. 524).

HAB.—Coast, (accidental visitor).

Fam. XXIII. LOPHIIDÆ.

Pectorales pediculées, *Cuv. R. A.* ii. 249.
Lophides, *Latr. Fam. R. A.* 139.
Chismopnés, p., *Dum. Zool. Anal.* 105, 1806.
Heptapterygii, Jugulares, p., *Bloch, Schneid.* 33.
Chondrodei, p., *Planander, Anim. in Class. Pisc.* 17, 1803.
Lofidi, *Rafin. Indice*, 42.
Lophidæ, *Bonap. Saggio, &c.*, 1831. *Swains. Lardn. Cycl. Fish.* ii. 195.
Lophiadæ, *Jen. Man.* 314.
Lophidæ, Lophini, *Bonap. Specchio Gen.* 10.
Batrachoideæ, *Rich. Faun. Bor.-Amer.* 102.
Lophiidæ, *Gray, Syn. Brit. Mus.* 1842, 143.
Blennii, Lophiidæ, *Bonap. Pesc. Eur.* 70.*

1. LOPHIUS.

Lophius, *L.*
Batrachus, *Risso.*

1. LOPHIUS PISCATORIUS. Common Angler. B. M.

Lophius piscatorius, *Linn. Syst. Nat.* i. 402. *Bloch, Ichth.* pl. 87. *Bloch, Schneid. Syst. Ichth.* 139. *Turton, Brit. Faun.* 115. *Don. Brit. Fish.* v. pl. 101. *Flem. Brit. An.* 214. *Shaw, Nat. Misc.* xi. pl. 422. *Jen. Man.* 389. *Bonap. Icon. Faun. Ital.* iii. 61,* t. f. 4, t. f. 1. *Parn. Wern. Mem.* vii. 253. *Yarr. Brit. Fish.* i. 269. *Id.* 2 ed. i. 305.

Lophius Fergusonis, *Walb. Artedi*, iii. 496, (founded on Ferguson, Phil. Trans. 53, p. 88, t. 13).
Lophius europæus, *Shaw.*
Lophius barbatus, *Montinus*, *Act. Holm.* iii. t. 4, 1779. *Gmelin*, *S. N.* i. 1480.
Rana piscatrix, *Will. Hist. Pisc.* 85, tab. E. 1.
Batrachus piscatorius, *Risso*, *Ichth. Nice.*
Common Angler, *Penn. Brit. Zool.* iii. 105, pl. 18. *Id.* (edit. 1812), iii. 159, pl. 21.
Fishing Frog, *Yarrell.*
La Lophie Baudroie, *Lacép. Poiss.* i. 304, t. 13, f. 1.
La Lophie Ferguson, *Lacép. Poiss.* 330.
Sea Devil, Wide-gab. *Scotland.*
Mirring Nass, Frog-fish. *Local names.*
Lophius cornubicus, *Shaw*, *Gen. Zool.* v. 381, (from Borlase).
Fishing-Frog of Mount's Bay, *Borl. Cornw.* 266, pl. 27, f. 5.
Lophius aculeatus, *Walb. Artedi*, iii. 496.
Long Angler, *Penn. Brit. Zool.* iii. 107.

Hab.—Coast.

Skins and in spirits. English Coast. Presented by Mr. Joseph Baker.
Firth of Forth.

Order II. MALACOPTERYGIA.

Malacopterygii, *Artedi*, *Gen. Pisc.* 1, 1738, p.
Malacopterygiens, *Cuv. R. A.* ii. 269, 1829.
Malacopterygia, *Gray*, *Syn. Brit. Mus.*
Malacopteryges. *Swains. Lardn. Cycl. Fish.* ii. 184.
Catopoda, *Latr. Fam. R. A.* 118.
Cycloïdes, *Agassiz*, *Poiss. Foss.* iv. 1834.

Suborder I. M. ABDOMINALIA.

Malacopterygii abdominales, *Rich. Faun. Bor.-Amer.* p. xii.
Malacopterygiens abdominaux, *Cuv. R. A.* ii. 269.
Physostomi, p., *Bonap. Pesc. Eur.* 5.*

Fam. I. CYPRINIDÆ.

Cyprinoides, *Cuv. R. A.* ii. 269, 1829.
Heptapterygii, Abdominales, p., *Bloch*, *Schneid. Syst.* 51.
Cylindrosomes, p., *Dum. Zool. Anal.* 139, 1806.
Ciprinidi, *Rafin. Indice*, 32.
Cyprinidæ, *Gray*, *Syn. Brit. Mus.* 1842, 150. *Flem. Brit. An.* 177. *Jen. Man.* 316. *Parn. Fish. Firth of Forth*, 106.
Cyprinidæ Cyprinini, C. Leuciscini, *Bonap. Cat. Met.* pp. 3, 5. *Specchio*, 8.
Cyprinæ, *Swains. Lardn. Cycl. Fish.* ii. 184.
Cyprinides unipupillati, *Latr. Fam. R. A.* 123.
Cyprinoideæ, *Rich. Faun. Bor.-Amer.* 109.
Cyprini, Cyprinidæ, *Bonap. Pesc. Eur.* 26.*

1. CYPRINUS.

Cyprinus, *Cuv. R. A.* ii. 270. *Agassiz*, *Mem. Soc. Sc. Nat. Neuchatel*, i. 37.
Cyprinus, p., *L.*
Cyprinus, Carassius, *Nilss. Bonap. Cat. Met.*
Cyprinus, Carpio, *Heckel*, *Ann. Wien. Mus.*
Cyprinopsis, *Fitzinger.*

* Cyprinus, *Nilss.*

1. CYPRINUS CARPIO. Common Carp. B. M.

Cyprinus Carpio, *Linn. Syst. Nat.* i. 525. *Bloch, Ichth.* pl. 16. *Bloch, Schneid. Syst. Ichth.* 447. *Lacép. Poiss.* v. 504. *Turton, Brit. Faun.* 107. *Don. Brit. Fish.* v. pl. 110. *Flem. Brit. An.* 185. *Jen. Man,* 401. *Bonap. Icon. Faun. Ital.* iii. 92, t. f. 2. *Cat. Met.* 3. *Yarr. Brit. Fish.* i. 305. *Id.* 2 ed. i. 349.

Cyprinus Carpis, *Val. Hist. Nat. Poiss.* xvi. 23.

Var. Cyprinus macrolepidotus, *Meiding, Pisc. Austr.* t. 41.

Var. Cyprinus speculum, *Lacép. Poiss.* v. 182.

Var. Cyprinus nudus, *Lacép. Poiss.* v. 182.

Carp, *Will. Hist. Pisc.* 245, tab. Q. 1, f. 2. *Penn. Brit. Zool.* iii. 309, n. 165, pl. 70. *Id.* (edit. 1812), iii. 467, pl. 81.

Common Carp, *Yarrell.*

HAB.—Ponds.

Skins and stuffed. Surrey, (specimen when caught weighed 22½lbs.) Presented by Edw. Jesse, Esq.

Gloucester.

** Carassius, *Nilss.*

2. CYPRINUS CARASSIUS. Crucian Carp. B. M.

Cyprinus Carassius, *Linn. Syst. Nat.* i. 526. *Bloch, Ichth.* pl. 11. *Bloch, Schneid. Syst. Ichth.* 438. *Lacép. Poiss.* v. 549. *Turton, Brit. Faun.* 108. *Val. Hist. Nat. Poiss.* xvi. 82. *Jen. Man.* 403. *Ekstr. in Wright, Skand. Fisk.* 140, t. 31. *Yarr. Brit. Fish.* 2 ed. i. 355.

Cyprinopsis Carassius, *Fitzinger.*

Carassius Linnæi, *Bonap. Cat. Met. Cipr. d'Eur.* 3. *Pesc. Eur.* 27.*

German Carp, *Yarrell.*

Var. Cyprinus Gibelio, *Gmel. Linn.* i. pt. iii. 1417. *Bloch, Ichth.* 12. *Bloch, Schneid. Syst. Ichth.* p. 438. *Flem. Brit. An.* 185. *Jen. Man.* 402. *Val. Hist. Nat. Poiss.* xvi. 90. *Yarr. Brit. Fish.* 2 ed. i. 358.

Cyprinus Carassius, var. B. *Ekstr. in Wright, Skand. Fisk.* 142, t. 32, (C. Gibelio).

Carassius gibelio, *Bonap. Cat. Met. Cipr. d'Eur.* 4. *Pesc. Eur.* 27.*

Carassius, *Will. Hist. Pisc.* 249.

Carassius moles? *Agassiz.*
Crucian (C. Carassius), *Penn. Brit. Zool.* iii. 319, pl. 72, n. 171. *Yarr. Brit. Fish.* i. 311.
Gibèle, *Cuv. R. A.* ii. 271.
The Prussian Carp, *Yarrell.*
Crouger. *Warwickshire.*

HAB.—Fresh water.
Skin and in spirits. Presented by W. Yarrell, Esq.

3. CYPRINUS AURATUS. Golden Carp. B. M.

Cyprinus auratus, *Linn. Syst. Nat.* i. 527. *Bloch, Ichth.* pls. 93 & 94. *Bloch, Schneid. Syst. Ichth.* 439. *Lacép. Poiss.* v. 553. *Turton, Brit. Faun.* 108. *Flem. Brit. An.* 185. *Jen. Man.* 403. *Yarr. Brit. Fish.* i. 315. *Id.* 2 ed. i. 358. *Val. Hist. Nat. Poiss.* xvi. 101.
Gold-Fish, Golden Carp, *Penn. Brit. Zool.* iii. 327. *Id.* (edit. 1812), iii. 490. *Drummond, Zoologist*, 1843, 84, (fig. with vegetable fibres springing from back).
Gold Carp, *Yarrell.*

HAB.—Fresh water, (introduced).
Skins and in spirits. Presented by Mrs. Bennett and W. Yarrell, Esq.

2. BARBUS.

Barbus, *Cuv. R. A.* ii. 272. *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 37.
Cyprinus, p., *L.*

1. BARBUS BARBUS. The Barbel. B. M.

Cyprinus Barbus, *Linn. Syst. Nat.* i. 525. *Bloch, Ichth.* pl. 18. *Bloch, Schneid. Syst. Ichth.* 450. *Lacép. Poiss.* v. 524. *Don. Brit. Fish.* ii. pl. 29. *Turton, Brit. Faun.* 107. *Jen. Man.* 404.
Barbus vulgaris, *Flem. Brit. An.* 185.
Barbus fluviatilis, *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 37. *Yarr. Brit. Fish.* i. 321. *Id.* 2 ed. i. 367. *Bonap. Icon. Faun. Ital.* iii. 129, t. f. 3, (var. Tyberinus), *Val. Hist. Nat. Poiss.* xvi. 125. *Schinz. Nouv. Mém. Soc. Helv.* i. 153. *Bonap. Pesc. Eur.* 27.*

Barbel, *Will. Hist. Pisc.* 259, tab. Q. 2, f. 1. *Penn. Brit. Zool.* iii. 312, pl. 71. *Id.* (edit. 1812), iii. 472, pl. 82.
Var. Barbus cyclolepis, *Heckel, Ann. Wien. Mus.* ii. 155.

Hab.—Fresh water.
Skins and in spirits. Hyde Park (Serpentine). Presented by Mr. Slark.
Thames, near Isleworth. Presented by Sir Joseph Banks, Bart.
Thames, at Teddington. Presented by John Doubleday, Esq.
Near London. Presented by W. Yarrell, Esq.
England. Presented by A. M. Browne, Esq.

3. GOBIO.

Gobio, *Cuv. R. A.* ii. 273. *Agassiz, Mem. Soc. Sc. Nat. Neuch.* i. 36.
Cyprinus, p., *Linn.*
Tinca, p., *Swains. Lardn. Cycl. Fish.* ii. 285.

1. Gobio fluviatilis. Gudgeon. B. M.

Cyprinus Gobio, *Linn. Syst. Nat.* i. 526. *Bloch, Ichth.* pl. 8, f. 2. *Bloch, Schneid. Syst. Ichth.* 448. *Lacép. Poiss.* v. 533. *Don. Brit. Fish.* iii. pl. 71. *Turt. Brit. Faun.* 107. *Jen. Man.* 405.
Gobio fluviatilis, *Flem. Brit. An.* 186. *Agassiz, Mem. Soc. Sc. Nat. Neuch.* i. 36. *Valenc. Hist. Nat. Poiss.* xvi. 300. *Bonap. Cat. Met. Cipr. d'Eur.* 4. *Pesc. Eur.* 27.* *Yarr Brit. Fish.* i. 325. *Id.* 2 ed. i. 371.
Tinca gobio, *Swains. Lardn. Cycl. Fish.* ii. 285.
Var.? Gobio obtusirostris, *Valenc. Hist. Nat. Poiss.* xvi. 311.
Gudgeon, *Will. Hist. Pisc.* 264, t. Q. 8, f. 4. *Penn. Brit. Zool.* iii. 310, n. 168. *Id.* (ed. 1812) iii. 476.

Hab.—Fresh water.
Skins. River Codbeck.

4. TINCA.

Tinca, *Cuv. R. A.* ii. 273.
Cyprinus, p., *Linn.*

1. TINCA VULGARIS. The Tench. B. M.

Cyprinus Tinca, *Linn. Syst. Nat.* i. 526. *Bloch, Ichth.* pl. 14. *Bloch, Schneid. Syst. Ichth.* 448. *Lacép. Poiss.* v. 534. *Turt. Brit. Faun.* 108. *Don. Brit. Fish.* v. pl. 113. *Jen. Man.* 405. *Ekstr. in V. Wright's Skand. Fisk.* 205, t. 52.

Tinca vulgaris, *Flem. Brit. An.* 186. *Valenc. Hist. Nat. Poiss.* xvi. 322. *Bonap. Cat. Met. Cipr. d'Eur.* 5. *Pesc. Eur.* 28.* *Yarr. Brit. Fish.* i. 328. *Id.* 2 ed. i. 375.

Tinca communis, *Swains. Lardn. Cycl. Fish.* ii. 285.

Tinca chrysitis, *Agassiz, Mem. Soc. Sc. Nat. Neuch.* i. 37. *Bonap. Icon. Faun. Ital.* iii. 93, t. f. 2.

Tinca Italica, *Bonap. Icon. Faun. Ital.*

Tench, *Will. Hist. Pisc.* 251, c. 6, t. Q. 5, f. 1. *Penn. Brit. Zool.* iii. 314, n. 167. *Id.* (ed. 1812) iii. 474.

Tanche vulgaire, *Cuv. R. A.* ii. 273.

HAB.—Fresh water.

Skins and in spirits. Near London. Presented by W. Yarrell, Esq.

5. ABRAMIS.

Abramis, *Cuv. R. A.* ii. 274.

Cyprinus, p., *Linn.*

Abramis, Blicca, Bliccopsis, *Heckel. Ann. Wien. Mus.*

* Abramis, *Heckel.*

1. ABRAMIS BRAMA. Common Bream. B. M.

Cyprinus Brama, *Linn. Syst. Nat.* i. 531. *Bloch, Ichth.* pl. 13. *Bloch, Schneid. Syst. Ichth.* 438. *Lacép. Poiss.* v. 591. *Don. Brit. Fish.* iv. pl. 93. *Turton, Brit. Faun.* 108. *Jen. Man.* 406. *Ekstr. in Wright, Skand. Fisk.* pl. 42.

Cyprinus Farenus (junr.), *Linn. Faun. Suec.* 130.

Abramis Brama, *Flem. Brit. An.* 187. *Bonap. Cat. Met. Cipr. d'Eur.* 10. *Yarr. Brit. Fish.* i. 335. *Id.* 2 ed. i. 382. *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 39.

Bream, *Will. Hist. Pisc.* 248, t. Q. 10, f. 4. *Penn. Brit. Zool.* iii. 317, pl. 70, n. 169, *Id.* (edit. 1812), iii. 478, pl. 81.

Carp-Bream, *Yarrell.*

HAB.—Fresh water.

Skins. England and Lochmaben in Scotland.

** Blicca, *Heckel.*

2. ABRAMIS BLICCA. White Bream. B. M.

Cyprinus Blicca, *Bloch, Ichth.* pl. 10? *Bloch, Schneid. Syst. Ichth.* 437. *Jen. Man.* 407. *Wright, Fries and Ekstr. Skand. Fisk.* 34, t. 12.
Cyprinus latus, *Gmel. Linn.* i. pt. iii. 1438.? *Jen. Cat. of Brit. Vert. An.* 26, sp. 86.
Cyprinus Ballerus, p., *Linn. Faun. Suec.* 129.
Abramis blicca, *Cuv. R. A.* 274? *Bonap. Cat. Met. Cipr. d'Eur.* 11.
Abramis Brama, p., *Flem. Brit. An.* 187.
Blicca bjoerkna, *Heckel, Ann. Wien. Mus.*
White Bream, or Bream-Flat, *Yarr. Brit. Fish.* i. 340. *Id.* 2 ed. i. 387.
White Bream. *Local name. Newark.*
Bream-flat. *Local name. Cambridgeshire.*

HAB.—Fresh water.
Skin. Lochmaben. (Coll. Parnell).

*** Bliccopsis, *Heckel.*

3. ABRAMIS BUGGENHAGII. The Pomeranian Bream.

Cyprinus Buggenhagii, *Bloch, Ichth.* pl. 95. *Bloch, Schneid. Syst. Ichth.* 440. *Lacép. Poiss.* v. 577.
Cyprinus abrama, rutilus, *Hollandre, Faune Belge.*
Abramis Buggenhagii, *Thomp. Proc. Zool. Soc.* 1837, 56. *Yarr. Brit. Fish.* 2 ed. i. 391. *Bonap. Cat. Met. Cipr. d'Eur.* 11.
Leuciscus Buggenhagii, *Val. Hist. Nat. Poiss.* xvii. 53.
Bliccopsis Buggenhagii, *Heckel.*
The Pomeranian Bream, *Yarrell.*
Var. Abramis Heckelii, *Selys-longchamps, Faune Belge.*

HAB.—Fresh water.

6. LEUCISCUS.

Leuciscus, *Klein. Cuv. R. A.* ii. 275, p. *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 38.
Cyprinus, p., *Linn.*
Leuciscus, Gardonus, Squalius, Scardinius, *Bonap. Cat. Met. Cipr. d'Eur.* 79, 10.

Leuciscus, p., Tinca, p., *Swains. Lardn. Cycl. Fish.* ii. 285.
Aspius, p., *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 38, (L. alburnus, 1835).
Phoxinus, p., *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 37, (L. Phoxinus, 1835).

* Idus, *Heckel. Bonap.*

1. Leuciscus idus. The Ide.

Cyprinus Idus, *Linn. Syst. Nat.* i. 529. *Bloch, Ichth.* pl. 36. *Bloch, Schneid. Syst. Ichth.* 439. *Lacép. Poiss.* v. 576. *Jen. Man.* 415. *Wright, Fries and Ekstr. Skand. Fisk.* 59, t. 11.
Leuciscus idus, *Cuv. R. A.* ii. 275. *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 38. *Yarr. Brit. Fish.* i. 344. *Id.* 2 ed. i. 395, (cop. Ekström). *Val. Hist. Nat. Poiss.* xvii. 228.
Tinca Idus, *Swains. Lardn. Cycl. Fish.* ii. 285.
Idus Idbarus, *Bonap. Cat. Met. Cipr. d'Eur.* 9. *Pesc. Eur.* 31.*
Var. Leuciscus neglectus, *Selys-longchamps, Faune Belge.*
Cyprinus Idbarus (junr.?), *Linn. Syst. Nat.* i. 529. *Ekstr. Fische von. Mörko*, 18, t. 11.
Cyprinus microlepidotus, *Ekstr. Fische von Mörko*, t. 1, 2.
Var. Leuciscus frigidus, *Val. Hist. Nat. Poiss.* xvii. 234.

Hab.—Fresh water.

** Squalius, *Bonap.*

2. Leuciscus dobula. The Dobule Roach. B. M.

Cyprinus Dobula, *Linn. Syst. Nat.* i. 528. *Bloch, Ichth.* pl. 5. *Bloch, Schneid. Syst. Ichth.* 435. *Lacép. Poiss.* v. 573. *Jen. Man.* 409. *Yarr. in Linn. Trans.* xvii. 9.
Leuciscus dobula, *Cuv. R. A.* ii. 275. *Yarr. Brit. Fish.* i. 346. *Id.* 2 ed. i. 397. *Val. Hist. Nat. Poiss.* xvii. 172.
Tinca dobula, *Swains. Lard. Cycl. Fish.* ii. 285.
Squalius dobula, *Bonap. Cat. Met. Cipr. d'Eur.* 9. *Pesc. Eur.* 31.*
Dobule Roach, *Yarrell.*

Hab.—Fresh water.
Skin. River Annan. (Coll. Parnell).

*** Gardonus, *Bonap.*

3. LEUCISCUS RUTILUS. The Roach. B. M.

Cyprinus Rutilus, *Linn. Syst. Nat.* i. 529. *Faun. Suec.* 124. *Bloch, Ichth.* pl. 2. *Bloch, Schneid. Syst. Ichth.* 435. *Lacép. Poiss.* v. 575. *Don. Brit. Fish.* iii. pl. 67, ("Rutilus.") *Turton, Brit. Faun.* 108. *Jen. Man.* 408. *Yarr. Brit. Fish.* i. 348. *Id.* 2 ed. i. 399. *Wright, Fries & Ekstr. Skand. Fish.* 72, t. 15.

Leuciscus Rutilus, *Flem. Brit. An.* 188. *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 38. *Parn. Wern. Mem.* vii. 266. *Val. Hist. Nat. Poiss.* xvii. 130.

Tinca rutilus, *Swains. Lardn. Cycl. Fish.* ii. 285.

Gardonus (Pigus) rutilus, *Bonap. Cat. Met. Cipr. d'Eur.* 7. *Pesc. Eur.* 29.*

Roach, *Will. Hist. Pisc.* 262, tab. Q. 10, f. 5 *Penn. Brit. Zool.* iii. 319. *Id.* (edit. 1812), iii. 482.

Braise. *Scotland.*

HAB.—Fresh water.

Skins and in spirits. Near London. Presented by Messrs. Yarrell and Cole.

River Esk, Cumberland.

Loch Lomond and Lochmaben, Scotland.

4. LEUCISCUS CEPHALUS. Chub. B. M.

Cyprinus Cephalus, *Linn. Syst. Nat.* i. 527. *Jen. Man.* 411. *Wright, Fries & Ekstr. Skand. Fish.* 67, t. 13, ("Jeses.")

Cyprinus Jeses, *Don. Brit. Fish.* v. pl. 115.

Cyprinus Dobula, *Nilss. Syn. Pisc. Scand.* 26, (nec auct.)

Gardonus cephalus, *Bonap. Cat. Met. Cipr. d'Eur.* 8.

Gardonus (Cephalus) cephalus, *Bonap. Pesc. Eur.* 30.*

Leuciscus Cephalus, *Flem. Brit. An.* 187.

Leuciscus Dobula, *Schinz. Nouv. Mem. Soc. Helv.* i. 154. *Yarr. Brit. Fish.* i. 358. *Id.* 2 ed. i. 409.

Tinca cephalus, *Swains. Lardn. Cycl. Fish.* ii. 285.

Chub or chevin, *Will. Hist. Pisc.* 255, tab. Q. 4, f. 2.

Chub, *Penn. Brit. Zool.* iii. 322, pl. 73, n. 175. *Id.* (edit. 1812), iii. 485, pl. 84.

Skelly. *Local name in Cumberland.*

HAB.—Fresh water.

Skins. Cambridgeshire.

River Esk, Cumberland.

River Codbeck, Yorkshire.

River Annan, Scotland.

**** Leuciscus, *Bonap.*

5. LEUCISCUS LEUCISCUS. The Dace. B. M.

Cyprinus Leuciscus, *Linn. Syst. Nat.* i. 528. *Bloch, Ichth.* pl. 97. *Bloch, Schneid. Syst. Ichth.* 440. *Lacép. Poiss.* v. 572. *Don. Brit. Fish.* iv. pl. 77. *Turton, Brit. Faun.* 109. *Jen. Man.* 410.

Leuciscus argenteus, *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 38, 1835. *Bonap. Cat. Met. Cipr. d'Eur.* 9. *Pesc. Eur.* 31.*

Leuciscus vulgaris, *Flem. Brit. An.* 187. *Val. Hist. Nat. Poiss.* xvii. 202. *Yarr. Brit. Fish.* i. 353. *Id.* 2 ed. i. 404.

Tinca Leuciscus, *Swains. Lardn. Cycl. Fish.* ii. 285.

Dace, *Will. Hist. Pisc.* 260, tab. Q. 10, f. 3. *Penn. Brit. Zool.* iii. 320. *Id.* (edit. 1812), iii. 483.

Dare, Dart. *Local names.*

HAB.—Fresh water.
Skins. River Codbeck.

6. LEUCISCUS LANCASTRIENSIS. The Graining.

Cyprinus Lancastriensis, *Shaw, Gen. Zool.* v. 234. *Jen. Man.* 411.

Cyprinus, Graining, *Walb. Artedi*, iii. 36.

Leuciscus Lancastriensis, *Yarr. in Linn. Trans.* xvii. 7, pl. 2, f. 1. *Val. Hist. Nat. Poiss.* xvii. 216. *Bonap. Cat. Met. Cipr. d'Eur.* 9. *Yarr. Brit. Fish.* i. 355. *Id.* 2 ed. i. 406.

Cyprinus Leuciscus, var. 2, *Turton, Brit. Faun.* 109.

Leuciscus Majalis, *Agassiz. Mem. Soc. Sc. Nat. Neuchatel*, i. 38, t. 1, f. 3, 4, 5, 6, 7? 1835.

Graining, *Pennant, Voyage to the Hebrides*, ii. *Penn. Brit. Zool.* iii. 321. *Id.* (edit. 1812), iii. 484.

Cyprinus Grislagine, var.? *Val. Hist. Nat. Poiss.* xvii. 224.

HAB.—Fresh water.
Lancashire.

***** Scardinius, *Bonap.*

7. LEUCISCUS ERYTHROPHTHALMUS. Rudd, or Red-Eye. B. M.

Cyprinus erythrophthalmus, *Linn. Syst. Nat.* i. 530. *Bloch, Ichth.* pl. 1. *Bloch, Schneid. Syst. Ichth.* 434. *Lacép. Poiss.* v. 577. *Don. Brit. Fish.* ii. pl. 40. *Turton, Brit. Faun.* 108. *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, 38. *Jen. Man.* 412. *Wright, Fries & Ekstr. Skand. Fisk.* 74, t. 17.

Barbus orfus, *Flem. Brit. An.* 186.
Cyprinus erythrops, *Pallas, Faun. Rosso-Asiat. iii. 317.*
Leuciscus erythrophthalmus, *Flem. Brit. An.* 188. *Val. Hist. Nat. Poiss.* xvii. 107.
Scardinius erythrophthalmus, *Bonap. Icon. Faun. Ital.* iii. 146.* *Cat. Met. Cipr. d'Eur.* 10. *Pesc. Eur.* 32.*
Cyprinus compressus (junr.), *Holberg, Göth. Süllsk. n. Handl.* v. 66, f.
Rudd, or Finscale, *Will. Hist. Pisc.* 252, tab. Q. 3, f. 1.
Rud, *Penn. Brit. Zool.* iii. 318, pl. 72. *Id.* (edit. 1812), iii. 479, pl. 83.
Red-Eye, *Yarr. Brit. Fish.* i. 361. *Id.* 2 ed. i. 412.
Roud. *Norfolk.*
Finscale, Shallow. *Local names.*
Hab.—Fresh water.
Skins and in spirits. River Lea, Essex. Presented by John Doubleday, Esq.
Lochmaben, Dumfries. (Coll. Parnell).

8. Leuciscus cæruleus. The Azurine. B. M.

Cyprinus cæruleus, *Jen. Man.* 413.
Leuciscus cæruleus, *Yarr. in Linn. Trans.* xvii. 8, pl. 2, f. 2.
Leuciscus prasinus, *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 38.
Scardinius? cæruleus, *Bonap. Cat. Met. Cipr. d'Eur.* 10. *Pesc. Eur.* 31.*
" L. azureus, *Yarrell*," *Agassiz, l. c.*
Azurine, *Yarr. Brit. Fish.* i. 365. *Id.* 2 ed. i. 416.
Blue Roach. *Lancashire.*
Hab.—Fresh water.
Lancashire. Presented by W. Yarrell, Esq.

****** Alburnus, *Heckel, Bonap.*

9. Leuciscus Alburnus. The Bleak. B. M.

Cyprinus Alburnus, *Linn. Syst. Nat.* i. 531. *Bloch, Ichth.* pl. 8, f. 4. *Bloch, Schneid. Syst. Ichth.* 437. *Lacép. Poiss.* v. 589. *Don. Brit. Fish.* i. pl. 18. *Turton, Brit. Faun.* 109. *Jen. Man.* 414. *Ekstr. in V. Wright, Skand. Fisk.* 203, t. 51.
Leuciscus Alburnus, *Flem. Brit. An.* 188. *Val. Hist. Nat. Poiss.* xvii. 272, *Yarr. Brit. Fish.* i. 368. *Id.* 2 ed. i. 419.
Aspius alburnus, *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 38.
Aspius ochrodon, *Agassiz, l. c.*

Alburnus lucidus, *Heckel, Ann. Wien. Mus. Bonap. Cat. Met. Cipr. d'Eur.* 12. *Pesc. Eur.* 33.*
Bleak, *Will. Hist. Pisc.* 263, tab. Q. 10, f. 7. *Penn. Brit. Zool.* iii. 324, pl. 73. *Id.* (edit. 1812), iii. 487, pl. 84.
Blick. *Local name.*

Hab.—Fresh water.
In spirits. River Thames. Presented by W. Yarrell, Esq.

******* Phoxinus, *Agassiz, Bonap.*

10. Leuciscus Phoxinus. The Minnow. B. M.

Cyprinus Phoxinus, *Linn. Syst. Nat.* i. 528. *Bloch, Ichth.* pl. 8, f. 5. *Bloch, Schneid. Syst. Ichth.* 437. *Lacép. Poiss.* v. 571. *Don. Brit. Fish.* iii. pl. 60. *Turton, Brit. Faun.* 109. *Jen. Man.* 415.
Cyprinus Aphya, *Linn. Syst. Nat.* i. 528.
Cyprinus rivularis, *Pallas, Faun. Rosso-Asiat.* iii. 330.
Leuciscus Phoxinus, *Flem. Brit. An.* 188. *Val. Hist. Nat. Poiss.* xvii. 363. *Yarr. Brit. Fish.* i. 372. *Id.* 2 ed. i. 423. *Parn. Wern. Mem.* vii. 268.
Phoxinus lævis, *Agassiz, Mem. Soc. Sc. Nat. Neuchatel,* i. 37. *Bonap. Cat. Met. Cipr. d'Eur. Pesc. Eur.* 28.*
Pink, Minim, or Minow, *Will. Hist. Pisc.* 268, tab. Q. 8, f. 7.
Var. Phoxinus Marsilii, *Heckel, Ann. Wien. Mus.* i. 232.
Var. Cyprinus Lumaireul, *Bonelli.*
Var. Cyprinus chrysoprasius, *Nordm.*
Minow, *Penn. Brit. Zool.* iii. 326. *Id.* (edit. 1812), iii. 489.
Bagies. *Cumberland.*
Mennon. *Scotland.*

Hab.—Fresh water.
Skins and in spirits. River Nottar, Devon.
Skiddaw.

(Cobitidæ, Cobitini, *Bonap. Pesc. Eur.* 26.*)

7. COBITIS.

Cobitis, *Linn.*
Gobitis, p., *Flem. Brit. An.* 189.
Misgurnus, *Lacép.*

1. COBITIS BARBATULA. The Loach. B. M.

Cobitis barbatula, *Linn. Syst. Nat.* i. 499. *Bloch, Ichth.* pl. 31, f. 3. *Bloch, Schneid. Syst. Ichth.* 434. *Lacép. Poiss.* v. 8. *Don. Brit. Fish.* i. pl. 22. *Turton, Brit. Faun.* 103. *Flem. Brit. An.* 189, ("Gobitis.") *Jen. Man.* 416. *Parn. Wern. Mem.* vii. 270. *Yarr. Brit. Fish.* i. 376. *Id.* 2 ed. i. 427. *Val. Hist. Nat. Poiss.* xvii. 14, t. 520. *Cuv. R. A.* ii. 276.
Loche, *Will. Hist. Pisc.* 265, tab. Q. 8, f. 1. *Penn. Brit. Zool.* iii. 247, pl. 58. *Id.* (edit. 1812), iii. 379, pl. 69.
Groundling, Beardie. *Local names.*

HAB.—Fresh water.

8. BOTIA.

Botia, *Gray, Zool. Misc.* 1830.
Cobitis, p., *L.*
Gobitis, p., *Fleming.*
Acanthopsis, *Agassiz, Mem. Soc. Sc. Nat. Neuchatel,* i. 36, 1835.
Acanthophthalmus, *Kühl, MSS.* (*cited in Val. Hist. Nat. Poiss.* xviii. 4).

1. BOTIA TÆNIA. Spined Loach, or Groundling. B. M.

Cobitis Tænia, *Linn. Syst. Nat.* i. 499. *Bloch, Ichth.* pl. 31, f. 2. *Bloch, Schneid. Syst. Ichth.* 434. *Lacép. Poiss.* v. 9. *Gent. Mag.* 1798, p. 1013, fig. *Berken. Syn.* i. 79. *Turton, Brit. Faun.* 103. *Flem. Brit. An.* 189, ("Gobitis.") *Jen. Man.* 417. *Val. Hist. Nat. Poiss.* xviii. 58.
Cobitis barbatula aculeata, *Will. Hist. Pisc.* 265, tab. Q. 8, f. 3.
Botia tænia, *Gray, Zool. Misc.* 8. *Yarr. Brit. Fish.* i. 381. *Id.* 2 ed. i. 432.
Acanthopsis tænia, *Agassiz, Mem. Soc. Sc. Neuchatel,* i. 36. *Bonap. Pesc. Eur.* 26.*
Var. Cobitis caspia, *Eichwald.*
Spinous Loche, *Penn. Brit. Zool.* (edit. 1812), iii. 381.
Spined Loche, *Yarrell.*
Groundling. *Local name.*

HAB.—Fresh water. Presented by W. Yarrell, Esq.

Fam. II. ESOCIDÆ.

Esoces, *Cuv. R. A.* ii. 281.
Physostomi, Esoces, *Müll. Wiegm. Arch.* 102, 1845.
Siagonotes, *Dum. Zool. Anal.* 149, 1806.
Lepidopomes, p., *Dum. Zool. Anal.* 143, 1806.
Esocidi, *Rafin. Indice*, 34.
Esocidæ, *Flem. Brit. An.* 177. *Jen. Man.* 316. *Rich. Faun. Bor.-Amer.* 123. *Parn. Fish. Firth of Forth*, 112.
Esocii, *Latr. Fam. R. A.* 121.
Esocidæ, Esocini, *Bonap. Specchio Gen.* 8.
Esocinæ, *Swains. Lardn. Cycl. Fish.* ii. 186.
Heptapterygii, Abdominales, p., *Bloch, Schneid. Syst.* 49.
Pharyngognathi, Scomberesoces, p., *Müll. Wiegm. Arch.* 102, 1845.
Exocetidæ, Belonini, *Bonap. Pesc. Eur.* 80.

1. ESOX.

Esox, *Linn.*
Lucius, *Rafin.*

1. Esox Lucius. The Pike. B. M.

Esox Lucius, *Linn. Syst. Nat.* i. 516. *Bloch, Ichth.* pl. 32. *Bloch, Schneid. Syst. Ichth.* 390. *Lacép. Poiss.* v. 297. *Don. Brit. Fish.* v. pl. 109. *Turton, Brit. Faun.* 105. *Flem. Brit. An.* 184. *Cuv. R. A.* ii. 282. *Val. Hist. Nat. Poiss.* xviii. 279. *Rich. Faun. Bor.-Amer.* 124. *Jen. Man.* 417. *Wright, Fries & Ekstr. Skand. Fisk.* 49, t. 10. *Bonap. Pesc. Eur.* 25.* *Parn. Wern. Mem.* vii. 272. *Yarr. Brit. Fish.* i. 383. *Id.* 2 ed. i. 434.
Lucius vorax, *Rafin.*
Pike, *Will. Hist. Pisc.* 236, tab. P. 5, f. 2. *Penn. Brit. Zool.* iii. 280, pl. 63. *Id.* (edit. 1812), iii. 424, pl. 74.
Pickerell, Jack, Luce, Gedd. *Local names.*

Hab.—Fresh water.
Skins and in spirits. England. Presented by Messrs. J. and C. Grove.
Near London. Presented by S. F. Gray, Esq.
Thames. Presented by John Doubleday, Esq.
Lochmaben and Loch Scone, in Scotland.

2. BELONE.

Belone, *Cuv. R. A.* 284.
Esox, p., *Linn.*
Ramphistoma, *Rafin. Swains. Lardn. Cycl. Fish.* ii. 296.

1. BELONE VULGARIS. Gar-pike. B. M.

Belone vulgaris, *Flem. Brit. An.* 184. *Jen. Man.* 418. *Val. Hist. Nat. Poiss.* xviii. 399. *Parn. Wern. Mem.* vii. 274. *Yarr. Brit. Fish.* i. 391. *Id.* 2 ed. i. 442.
Belone acus, *Bonap. Icon. Faun. Ital.* iii. t. f. 1.
Esox Belone, *Linn. Syst. Nat.* i. 517. *Bloch, Ichth.* pl. 33. *Bloch, Schneid. Syst. Ichth.* 391. *Lacép. Poiss.* v. 308. *Don. Brit. Fish.* iii. pl. 64. *Turton, Brit. Faun.* 105.
Belone rostrata, *Faber, Fische Isl.* 152. *Bonap. Pesc. Eur.* 81.*
Ramphistoma vulgaris, *Swains. Lardn. Cycl. Fish.* ii. 297.
Horn-Fish or Gar-Fish, *Will. Hist. Pisc* 231, tab. P. 2, f. 4.
Gar-Pike, *Penn. Brit. Zool.* iii. 283, pl. 63, (Sea Pike). *Id.* (edit. 1812), iii. 429, pl. 74.
Gar-Fish, *Yarrell.*
Garrick, Green-bone, Horn-fish, Long-nose,. Gorebill, Sea-needle, Sea-Pike, Mackerel-guide. *Local names.*

HAB.—Coast.
Skins. England.
Scotland, (Firth of Forth).

3. SCOMBERESOX.

Scomberesox, *Lacép. Poiss.* v. 344, 1803.
Sayris, *Rafin. Caratt.* 60, 1810.
Esox, p., *Bloch.*
Belone, p., *Jenyns.*

1. SCOMBERESOX SAURUS. Saury, or Skipper. B. M.

Belone Saurus, *Jen. Man.* 419.
Esox Saurus, *Walb. Artedi*, iii. 93. *Bloch, Schneid. Syst. Ichth.* 394. *Rackett in Linn. Trans.* vii. 60, tab. 5. *Turton, Brit. Faun.* 105. *Neill in Wern. Mem.* i. 541. *Don. Brit. Fish.* v. pl. 116.
Lacertus vel Saurus, *Will. Hist. Pisc.* 232.
Scomberesox Camperii, *Lacép. Poiss.* 345, t. 6, f. 3.

Sâyris hians, *Rafin. Caratt.* 61, t. 9, f. 1?
Sauris Camperi, *Bonap. Icon. Faun. Ital.* iii. t. f. 2. *Pesc. Eur.* 81.*
Scomberesox Saurus, *Flem. Brit. An.* 184. *Yarr. Brit. Fish.* i. 446.
Scomberesox sauris, *Parn. Wern. Mem.* vii. 276.
Skipper (Cornubiensium), *Ray, Syn. Pisc.* 165.
Scombresox Camperi, *Val. Hist. Nat. Poiss.* xviii. 464, t. 551.
Saury Pike, *Penn. Brit. Zool.* iii. 284, pl. 64. *Id.* (edit. 1812), iii. 424, pl. 75. *Yarr. Brit. Fish.* i. 394. *Id.* 2 ed. i. 446.
Gowdnook, Gofnick, Egyptian Herring. *Scotland.*
Mackerel Garrick. *Cornwall.*

HAB.—Coast.
In spirits. Norfolk. Presented by Messrs. Oliffe and Cole.

4. HEMIRAMPHUS.

Hemiramphus, *Cuv. R. A.* ii. 285.
Esox, p., *Lacép.*
Belone (junr.), *Bonap. Pesc. Eur.* 81.*

1. HEMIRAMPHUS EUROPÆUS. European Hemiramphus.

Hemiramphus Europæus, *Yarr. Mag. Nat. Hist.* 505, 1837. *Id. Brit. Fish.* 2 ed. i. 450. *Jon. Couch, Zoologist*, 1848, p. 1978, *f. d. e.*
Esox Brasiliensis? *Couch, Linn. Trans.* xiv. 85. *Jen. Man.* 419.
Hemiramphus Richardi, var.?? *Val. Poiss.* xix.
Variété de l'Esoce Espadon, *Lacép. Poiss.* v. t. 7, f. 2?
Belone rostrata, (junr.), *Bonap. Pesc. Eur.* 81.*

HAB.—Coast, (occasional).

2? HEMIRAMPHUS OBTUSUS.

Hemiramphus? obtusus, *Jon. Couch, Zoologist*, 1848, p. 1978, f. *a. b. c.*

Cornwall, (Mount's Bay).

5. EXOCÆTUS.

Exocætus, *Artedi, Gen. Pisc.* 8.
Exocetus, *Cuv.*

1. EXOCÆTUS VOLITANS. The Winged Flying Fish.

Exocætus volitans, *Linn. Syst. Nat.* i. 520. *Lacép. Poiss.* v. 402. *Don. Brit. Fish.* ii. pl. 31. *Turton, Brit. Faun.* 106. *Jen. Man.* 420. *Yarr. Brit. Fish.* i. 398. *Id.* 2 ed. i. 453.
Exocætus evolans, *Bloch, Ichth.* pl. 398. *Val. Hist. Nat. Poiss.* xix. 138. *Bonap. Pesc. Eur.* 81.*
Winged Flying-Fish, *Penn. Brit. Zool.* iii. 292, pl. 67. *Id.* (edit. 1812), iii. 441, pl. 78.
Flying-Fish, *Yarrell.*
HAB.—Ocean, (occasionally found on the coast).

2. EXOCÆTUS EXILIENS. Greater Flying Fish.

Exocetus heterurus, *Rafin. Ind.*
Exocetus fasciatus? *Cocco, MSS.* (junr.), *Bonap.*
Hirundo, *Belon*, 195.
Mugil alatus, *Rondelet, Lat. Edit.* 267.
Hirondelle de Mer, *Duhamel*, pl. 2, sec. 3, pl. 22, f. 2.
Exocætus exiliens, *Bloch*, pt. 12, pl. 397. *Yarr. Brit. Fish.* 2 ed. i. 458. *Val. Hist. Nat. Poiss.* xix. 114.
The Greater Flying Fish, *Yarrell.*

HAB.—Ocean, (occasionally found on the coast).

Fam. III. SILURIDÆ.

Siluroides, *Cuv. R. A.* ii. 289, 1829.
Siluroideæ, *Rich. Faun. Bor.-Amer.* 132.
Oplophores, p., *Dum. Zool. Anal.* 141, 1806.
Siluridi, *Rafin. Indice*, 35.
Siluroides Glani, *Latr. Fam. R. A.* 124.
Siluridæ, *Jen. Man.* 317. *Gray, Syn. Brit. Mus.* 150, 1842.
Siluridæ, Silurini, *Bonap. Specchio Gen.* 8.
Heptapterygii Abdominales, p., *Bloch, Schneid. Syst.* 48.
Physostomi Siluroidei, *Müll. Wiegm. Arch.* 102, 1845.
Siluri, Siluridæ, Silurini, *Bonap. Pesc. Eur.* 37.*

1. SILURUS.

Silurus, *L.*

1. SILURUS GLANIS. Sheat Fish.

Silurus Glanis, *Linn. Syst. Nat.* i. 501. *Bloch, Ichth.* pl. 34. *Cuv. R. A.* ii. 291. *Jen. Man.* 421. *Yarr. Brit. Fish.* i. 403. *Id.* 2 ed. i. 461.

Sly Silurus, *Yarr. Brit. Fish.* i. 461.
Silurus sive Glanis, *Sibbald, Scotia Illustrata*, 25.

Hab.—Fresh water, (a very doubtful native).

Fam. IV. SALMONIDÆ.

Salmones, *Cuv. R. A.* ii. 301, 1829.
Dermopteres, *Dum. Zool. Anal.* 147, 1806.
Gymnopomes, p., *Dum. Zool. Anal.* 145.
Salmonidi, *Rafin. Indice*, 32.
Salmonidæ, *Gray, Syn. Brit. Mus.* 150, 1842. *Flem. Brit. An.* 177. *Jen. Man.* 317. *Parn. Fish. Firth of Forth*, 117.
Salmonoideæ, *Rich. Faun. Bor.-Amer.* I37.
Salmoninæ, *Swains. Lardn. Cycl. Fish.* ii. 185.
Salmonides Tutriformes, S. Characini, S. Cyprinosalmi, *Latr. Fam. R. A.* 119, 120.
Salmonidæ, Salmonini, S. Coregonini, *Bonap. Specchio Gen.* 8.
Heptapterygii, Abdominales, p., *Bloch, Schneid. Syst.* 49.
Physostomi, Salmones, Scopelini, *Müll. Wiegm. Arch.* 136, 1845.
Salmonoïdes, *Val. Hist. Nat. Poiss.* xxi. 153.
Scopelidæ, p., *Bonap. Specchio Gen.* 8.

1. SALMO.

Salmo, *Cuv. R. A.* ii. 302.
Salmo, p., *Linn.*
Salmo, Fario, Salar, *Val. Hist. Nat. Poiss.* xxi.

1. Salmo Salar. Common Salmon. B. M.

Salmo Salar, *Linn. Syst. Nat.* i. 509. *Bloch, Ichth.* pls. 20 & 98. *Bloch, Schneid. Syst. Ichth.* 398. *Lacép. Poiss.* v. 159. *Turton, Brit. Faun.* 103. *Flem. Brit. An.* 179. *Jard. in Edinb. New. Phil. Journ.* viii. 46. *Rich. Faun. Bor.-Amer. Fishes*, 140. t. 91, f. 1, (head of a run fish). *Jen. Man.* 421. *Yarr. Brit. Fish.* 2 ed. ii. 1. *Parn. Wern. Mem.* vii. 278, t. 32, f. 1. *Agassiz & Vogt, Mem. Soc. Sc. Nat. Neuchatel*, iii. tab. M. f. 16, (Anatomy).
Salmo Salmo, *Val. Hist. Nat. Poiss.* xxi. 169.
Salmo, *Will. Hist. Pisc.* 189, tab. N. 2, f. 1.
Salmo hamatus, p., *Agassiz, Report Brit. Assoc.* (nec auct.)
Salmo albus, p., *Val. l. c.* 207.
Salmo nobilis, *Pallas, Zoogr. Rosso-Asiat.* iii. 342.

Salmon, *Penn. Brit. Zool.* iii. 249, pl. 58, n. 143. *Id.* (edit. 1812), iii. 382, pl. 69.
Le Saumon, *Cuv. R. A.* ii. 302.
Smolt. *Young.*
Grilse. *Name on first return from sea.*

Hab.—Rivers and the sea.
Skins and stuffed. Rivers Dart and Tamar. Presented by Lieut. H. F. Spence, R. N.
Firth of Forth and Solway. Dr. Parnell's collection.
River Annan. Presented by John Gould, Esq.

2. Salmo Trutta. Sea Trout. B. M.

Salmo Trutta, *Linn. Syst. Nat.* i. 509. *Bloch, Ichth.* pl. 21. *Bloch, Schneid. Syst. Ichth.* 399. *Turton, Brit. Faun.* 103. *Cuv. R. A.* ii. 304. *Flem. Brit. An.* 180. *Jard. in Edinb. New. Phil. Journ.* xviii. 49. *Jen. Man.* 423. *Agassiz & Vogt, Mem. Soc. Sc. Nat. Neuchatel*, iii. t. D, f. 23, t. E. t. F. t. K. f. 3, 5, t. L. t. M. f. 19, t. O. f. 2—7, (Anatomy).
Trutta lacustris, *Will. Hist. Pisc.* 198, tab. N. 1, f. 5.
Truite saumonée, *Cuv. R. A.* ii. 304.
The Salmon Trout, *Yarr. Brit. Fish.* 2 ed. ii. 77. *Rich. Faun. Bor.-Amer. Fishes*, i. 140, (S. Schiefermülleri ?).
Jun. Salmo albus, *Walb. Artedi*, iii. 76. *Bloch, Schneid. Syst. Ichth.* 409. *Lacép. Poiss.* v. 219. *Flem. Brit. An.* 80. *Jard. in Edinb. New Phil. Journ.* xviii. 50. *Jen. Man.* 424.
Salmo Phinoc, *Turton, Brit. Faun.* 103.
White, *Penn. Brit. Zool.* iii. 264. *Id.* (edit. 1812), iii. 396.
Herling, *Jard. in Proceed. of Berwicksh. Nat. Club.* 50.
Salmo Cumberland, *Lacép. Poiss.* v. 696, 1803.
Salmo trutta (junr.), *Yarr. Brit. Fish.* 2 ed. ii. 77.
Salmo salmo (junr.), *Val. Hist. Nat. Poiss.* xxi. 207.
Hirling of the Nith, *Rich. Faun. Bor.-Amer. Fishes*, 141.
Whiting. *Cumberland.*
Phinoc. *Scotland.*
Lammasmen. *Edinburgh Market.*

Hab.—Sea and rivers.
Skins. Rivers Tamar, Erme, and Avon. S. Devon. Presented by Lieut. H. F. Spence, R. N.
Plymouth, Cawsand Bay and River Plym. Presented by Lieut. H. F. Spence, R. N.
Firth of Forth, Solway Firth, Tweed, and N. Esk. Coll. Parnell.

3. Salmo Eriox. Bull Trout, or Grey. B. M.

Salmo Eriox, *Linn. Syst. Nat.* i. 509. *Turton, Brit. Faun.* 103. *Flem. Brit. An.* 180. *Jen. Man.* 422. *Parn. Wern. Mem.* vii. 288. *Yarr. Brit. Fish.* 2 ed. ii. 71.
Salmo Trutta Salar, *Lacép. Poiss.* v. 204.
Salmo Hucho, *Flem. Brit. An.* 179? (nec. auct.)
Salmo Cambricus, *Don. Brit. Fish.* iv. pl. 91.
Sewen or Sewin, *Donov. Tour, South Wales and Monmouthsh.* i. 237.
The Grey, *Will. Hist. Pisc.* 193. *Penn. Brit. Zool.* iii. 258. *Id.* (edit. 1812), iii. 394?
Salmo salar, var. a. *Bloch, Schneid. Syst. Ichth.* 399.
Fario argenteus, *Val. Hist. Nat. Poiss.* xxi. 294?
Sea Trout, *Penn. Brit. Zool.* iii. 296. *Id.* (edit. 1812), iii. 397.
Bull-trout or Roundtail. *Local name.*
Var. Salmon-spotted Bull-Trout, *Parn. Wern. Mem.* vii. 291, t. 32, f. 4.
Var. Few-spotted Bull-Trout, *Parn. Wern. Mem.* vii. 291, t. 33, f. 5.
Var. Thickly-spotted Bull-trout, *Parn. Wern. Mem.* vii. t. 33, f. 6.
Var. Large-headed Bull-trout, *Parn. Wern. Mem.* vii. t. 33, f. 7.
Var. Curved-spotted Bull-trout, *Parn. Wern. Mem.* vii. t. 33, f. 8.
Var. Salmon Bull-trout, *Parn. Wern. Mem.* t. vii. 33.*
Whitling. *Berwick.*
Var. Crescent-tailed Bull-trout, *Parn. Wern. Mem.* vii. t. 34, f. 9.
Var. Norway Bull-trout, *Parn. Wern. Mem.* vii. t. 34, f. 10.
Norway Trout. *Firth of Forth.*

Hab.—Sea and rivers.
Plymouth and Rivers Tamar, Tavy, Nottar, Dart, Erme, &c. Presented by Lieut. H. F. Spence, R. N.
Firth of Forth and Solway Firth. Coll. Parnell. Presented by Dr. Parnell.

3.* Young of three preceding species. The Parr. B. M.

Salmo Salmulus, *Turton, Brit. Faun.* 104. *Jard. in Edinb. New. Phil. Journ.* xviii. 56. *Jen. Man.* 426. *Parn. Wern. Mem.* vii. 298, t. 30. *Will. Hist. Pisc.* 192, tab. N. 2, fig. 2.
Salmulus, *Ray, Syn. Pisc.* 63.
Salmo fario, var. γ. Samulus, *Walb. Artedi*, iii. 61.
Salmo Fario, var. b. Salmulus, *Bloch, Schneid. Syst. Ichth.* 400.
Salmo Trutta (junr.), *Flem. Brit. An.* 180.
Salmo Salar, (junr.) *Bonap. Pesc. Eur.* 22.*

Samlet and Parr, *Penn. Brit. Zool.* iii. 303, pl. 59, n. 148, and pl. 66, n. 78. *Id.* (edit. 1812), iii. 404, pls. 70, 77.
The Parr, *Yarr. Brit. Fish.* 2 ed. ii. 83. *Shaw, Trans. Roy. Soc. Edin.*
Hepper, Brandling, Fingerling. *Local names.*

Hab.—Rivers and the sea.
Rivers Plym, Erme, and Tamar. Presented by Lieut. H. F. Spence, R. N.
Firth of Forth, Tweed at Berwick, Rivers Teith, N. Esk, and Clyde. Coll. Parnell.
Yorkshire, River Sark. Coll. Parnell.

4. Salmo Fario. Common Trout. B. M.

Salmo Fario, *Linn. Syst. Nat.* i. 509. *Bloch, Ichth.* t. 22, 23. *Turton, Brit. Faun.* 103. *Don. Brit. Fish.* iv. pl. 85. *Cuv. R. A.* ii. 304. *Flem. Brit. An.* 181. *Jard. Edinb. New. Phil. Journ.* xviii. 51. *Id. Brit. Sal.* t. 5—12. *Rich. Faun. Bor.-Amer.* 144, pl. 92, fig. 3, A. B. *Jen. Man.* 424. *Agassiz & Vogt, Mem. Soc. Sc. Nat. Neuchatel,* iii. t. A. f. 1, 2, 3, t. D. f. 9—22, t. G. t. H. t. J. t. K. f. 1, 2, t. M. f. 1—14, f. 17, 18, t. N. t. O. f. 1, f. 8—13, (Details of Anatomy). *Parn. Wern. Mem.* vii. 304, t. 30.
Salmo Trutta, *Lacép. Poiss.* v. 189, (nec auct).
Trutta fluviatilis, *Will. Hist. Pisc.* 199.
Salmo Fario, var. Forestensis, *Bloch, Schneid.* 400.
Salmo sylvaticus, *Schrank, Faun. Boica.*
Trout, *Penn. Brit. Zool.* iii. 260, pl. 59, n. 146.
River Trout, *Id.* (edit. 1812), iii. 399, pl. 70.
Salar Ausonii, *Val. Hist. Nat. Poiss.* xxi. 319.
Lo Trout, *Borlase, Cornwall,* 263, t. 26, f. 1.
Salmo Cornubiensis, *Walb. Artedi,* iii. 65. *Bloch, Schneid. Syst. Ichth.* 421.
The Common Trout, *Yarr. Brit. Fish.* 2 ed. ii. 85.
Burn Trout, *Rich. Faun. Bor.-Amer.* 144.
Var. Gillaroo Trout, *Sowerby, Brit. Misc.* t. 61.
Var. Salmo Levenensis, *Walker, Neill, Wern. Mem.* i. 541. *Yarr. Brit. Fish.* 2 ed. ii. 117.
Salmo cæcifer, *Parn. Wern. Mem.* vii. 306, t. 30.
The Lochleven Trout, *Yarrell.*
Salar Ausonii, var. *Val. Hist. Nat. Poiss.* xxi. 290.
Salmo fario, var.? *Bonap. Pesc. Eur.* 23.*

Hab.—Rivers and lakes.
Skins and in spirits. Plymouth and Rivers Erme, Dart, &c. Presented by Lieut. H. F. Spence, R. N.
Cornwall, "Loe Pool Trout." Coll. Parnell.
Yorkshire, Rivers Swale and Codbeck. Coll. Parnell.
Cumberland, River Sark. Coll. Parnell.
Buckinghamshire. Presented by John Gould, Esq.
Rivers Clyde, S. and N. Esk, Tweed and Annan, Firth of Forth and Loch Lomond. Coll. Parnell.
Var. *Levenensis*. Loch Leven. Coll. Parnell.

5. Salmo ferox. Great Lake Trout. B. M.

Salmo ferox, *Wilson in Encycl. Brit.* (7th edit.), *Art.* 142, *Angling. Jardine, Edinb. New. Phil. Journ.* xviii. 55. *Id. Brit. Salm.* t. *Jen. Man.* 425.
Salmo lacustris, *Berkhenh. Syn.* i. 79?
Salar ferox, *Val. Hist. Nat. Poiss.* xxi. 338.

Hab.—Lakes. N. of Scotland.
Skin. Sutherland. Presented by James Wilson, Esq.

6. Salmo Umbla. Charr. B. M.

Salmo Umbla, *Linn. Syst. Nat.* i. 511. *Bloch, Ichth.* pl. 101. *Bloch, Schneid. Syst. Ichth.* 402. *Cuv. R. A.* ii. 305. *Jen. Man.* 427. *Parn. Wern. Mem.* vii. 308. *Val. Hist. Nat. Poiss.* xvi. 233.
Salmo alpinus, *Walb. Artedi*, iii. 63. *Lacép. Poiss.* v. 203. *Don. Brit. Fish.* iii. pl. 61. *Turton, Brit. Faun.* 104. *Flem. Brit. An.* 180.
Salmo Carpio, p., *Walb. Artedi*, iii. 62.
Charr, *Penn. Brit. Zool.* iii. 267, pl. 60. *Id.* (edit. 1812), iii. 407, pl. 71.
Char, *Rich. Faun. Bor.-Amer.* 144, pl. 92, f. 5, A. B.
The Charr, *Yarr. Brit. Fish.* 2 ed. ii. 121.
Alpine Salmon, *Donovan.*
The Northern Charr, *Parnell.*
Case Charr. *Local name.*
Var. Salmo Salvelinus, *Linn. Syst. Nat.* i. 511. *Don. Brit. Fish.* v. pl. 112. *Turton, Brit. Faun.* 104. *Flem. Brit. An.* 180. *Jen. Man.* 428. *Val. Hist. Nat. Poiss.* xxi. 246.
Red-bellied Trout. *Local name.*

Var. Salmo Salmarinus, *Linn. Syst. Nat.* i. 511.

Hab.—Lakes.
Skins. Lakes of Cumberland, &c.
In spirits. Loch Dochart, Perthshire. Presented byJames Wilson, Esq.

2. OSMERUS.

Osmerus, *Artedi, Gen. Pisc.* 10.
Salmo, p., *Linn.*

1. Osmerus Eperlanus. Smelt. B. M.

Osmerus Eperlanus, *Lacép. Poiss.* v. 229. *Flem. Brit. An.* 181. *Jen. Man.* 429. *Yarr. Brit. Fish.* 2 ed. i. 129. *Parn. Wern. Mem.* vii. 312. *Bonap. Pesc. Eur.* 24.*
Eperlanus Rondeletii et Schonfeldii, *Will. Hist. Pisc.* 202, tab. N. 6, f. 4.
Salmo Eperlanus, *Linn. Syst. Nat.* i. 511. *Bloch, Ichth.* pl. 28, figs. 1, 2. *Bloch, Schneid. Syst. Ichth.* 410. *Don. Brit. Fish.* ii. pl. 48. *Turton, Brit. Faun.* 104.
Salmo eperlanus, var. marinus, *Walb. Artedi*, iii. 57.
Salmo (Osmerus) Eperlanus, *Rich. Faun. Bor.-Amer.* 185.
Smelt, *Penn. Brit. Zool.* iii. 273, pl. 61, n? 151. *Id.* (edit. 1812), iii. 416, pl. 72.
Spirling, Sparling. *Local names. Scotland.*

Hab.—Coast.
Skins and in spirits. England. Presented by W. Yarrell, Esq.
Fifeshire. Coll. Leach.
Firth of Forth. Dr. Parnell.

2. Osmerus Hebridicus. The Hebridal Smelt.

Osmerus Hebridicus, *Yarr. Suppl. to Brit. Fishes. Id. Brit. Fish.* 2 ed. ii. 133.
Argentina Yarrelli, *Val. Hist. Nat. Poiss.* xxi. 418.
Argentina arctica, *Nilss.* var.? *Bonap. Pesc. Eur.* 24.*

Hab.—Firth of Clyde.

3. THYMALLUS.

Thymallus, *Cuv. R. A.* ii. 306.
Coregonus, p., *Lacép.*
Salmo, p., *Linn.*

1. THYMALLUS VULGARIS. Grayling. B. M.

Thymallus vulgaris, *Nilss. Prod. Ichth. Scand.* 13. *Jen. Man.* 430. *Yarr. Brit. Fish.* 2 ed. ii. 136.
Thymallus, *Will. Hist. Pisc.* 187, tab. N. 8.
Salmo Thymallus, *Linn. Syst. Nat.* i. 512. *Bloch, Ichth.* pl. 24. *Bloch, Schneid. Syst. Ichth.* 410. *Don. Brit. Fish.* iv. pl. 88. *Turton, Brit. Faun.* 104.
Coregonus Thymallus, *Lacép. Poiss.* v. 254. *Flem. Brit. An.* 181.
Thymallus vexillifer, *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. t. B. t. D. f. 5—8 (Anatomy). *Bonap. Pesc. Eur.* 23.*
Grayling, *Penn. Brit. Zool.* iii. 272, pl. 61, n. 150. *Id.* (edit. 1812), iii. 414, pl. 72.

HAB.—Rivers.
Skins and stuffed. River Tyne. Presented by T. A. Knight, Esq.
Otterbourne. Presented by R. C. Sewel, Esq., D.C.L.
River Swale, Yorkshire.

4. COREGONUS.

Coregonus, *Artedi, Gen. Pisc.* 9.
Salmo, p., *Linn.*
Tripteronotus, p., *Lacép.*

1. COREGONUS PENNANTII. The Gwiniad. B. M.

Coregonus Lavaretus, *Lacép. Poiss.* v. 245? *Flem. Brit. An.* 182. *Nilss. Prod. Ichth. Scand.* 15. *Jen. Man.* 431. *Yarr. Brit. Fish.* 2 ed. ii. 142.
Coregonus fera, *Cuv. R. A.* ii. 307? *Bonap. Pesc. Eur.* 24.*
Salmo Wartmanni, *Bloch, Ichth.* pl. 105?
Salmo Wartmanni, var. a. *Walb. Artedi*, iii. 78.
Salmo Lavaretus, *Turton, Brit. Faun.* 104, (nec L.)
Gwiniad, *Will. Hist. Pisc.* 183. *Penn. Brit. Zool.* iii. 316, pl. 62. *Id.* (edit. 1812), iii. 419, pl. 73.
Le Lavaret, *Cuv. R. A.* ii. 307?
Coregonus Pennantii, *Val. Hist. Nat. Poiss.* xxi. 507.
Schelly. *Ullswater.*

HAB.—Lakes.
Skin. Ullswater.

2. COREGONUS CLUPEOIDES. The Powan. B. M.

Coregonus clupeoides, *Lacép. Poiss.* v. 698, 1803.
Coregonus La Cepedei, *Parnell, Annals of Nat. Hist.* i. 161. *Yarr. Brit. Fish*, 2 ed. ii. 151. *Bonap. Pesc. Eur.* 24.*
Coregonus Cepedii, *Val. Hist. Nat. Poiss.* xxi.
Coregonus lavaretus, p., *Flem. Brit. An.* 182.
Powan, Fresh-water Herring. *Local names.*

HAB.—Loch Lomond.
Skins. Dr. Parnell's collection.

3. COREGONUS ALBULA. The Vendace. B. M.

Salmo albula, *Ascanius, Ichth.* t. 29. *Bloch, Schneid. Syst. Ichth.* 411.
Coregonus Marænula, *Lacép. Poiss.* v. 262. *Jard. in Edinb. Journ. of Nat. and Geog. Sci.* iii. 4, pl. 1. *Jen. Man.* 432.
Salmo Marænula, *Bloch, Ichth.* pl. 28, f. 3 ?; *Gmel. Linn.* i. pt. iii. 1381 ?
Vendace, *Knox, Trans. Roy. Soc. Ed.* xii. 503.
Coregonus Vandesius, *Rich. Faun. Bor.-Amer. Fishes*, 213.
Coregonus Willughbii, *Jard. Ill. Scot. Salm.* pl. 6. *Yarr. Brit. Fish.* 2 ed. ii. 146.
Coregonus Willughbyi, *Bonap. Pesc. Eur.* 24.*
Coregonus albula, *Val. Hist. Nat. Poiss.* xxi. 520.

HAB.—Dumfriesshire (Lochmaben).
Skins and in spirits. Presented by W. Yarrell, Esq., and from Dr. Parnell's collection.

4. COREGONUS POLLAN. The Pollan. B. M.

Coregonus Pollan, *Thomp. Proc. Zool. Soc. June* 9, 1835. *Jen. Man.* 432. *Yarr. Brit. Fish.* 2 ed. ii. 156. *Val. Hist. Nat. Poiss.* xxi. 502. *Bonap. Pesc. Eur.* 24.*
Pollan, *Harris, Hist. of the County of Down.*
" Coregonus microcephalus, *Parnell.*" *Bonap. Pesc. Eur.* 24.*

HAB.—Ireland (Lough Neagh).
Skin. Dr. Parnell's collection.

5. SCOPELUS.

Scopelus, *Cuv. R. A.* ii. 314.
Argentina, *Penn.*
Serpe, *Risso.*

1. SCOPELUS PENNANTI. Sheppy Argentine. B. M.

Scopelus Humboldtii, *Cuv. R. A.* ii. 315? *Jen. Man.* 433. *Yarr. Brit. Fish.* 2 ed. ii. 161, 167.
Scopelus borealis, *Nilss. Prod. Ichth. Scand.* 20. *Thomp. Ann. & Mag. Nat. Hist.* xx. 171. *Bonap. Pesc. Eur.* 36.*
Sheppy Argentine, *Penn. Brit. Zool.* iii. 286, pl. 65, 156, (nec L.)
Argentina sphyræna, *Turton, Brit. Faun.* 105.
Argentina Pennanti, *Walb. Artedi*, iii. 47, 1792.
Serpe Humboldti, *Risso, Ichth.* 358, t. 10, f. 38?

HAB.—Coast.
In spirits. Redcar, Yorkshire. Presented by T. S. Rudd, Esq.

Fam. V. CLUPEIDÆ.

Clupes, *Cuv. R. A.* ii. 316, 1829.
Heptapterygii Abdominales, p., *Bloch, Schneid. Syst.* 50.
Gymnopomes, p., *Dum. Zool. Anal.* 145, 1806.
Clupeidi, *Rafin. Indice*, 32.
Clupeadæ, *Flem. Brit. An.* 177.
Clupeoideæ, *Rich. Faun. Bor.-Amer.* 229.
Clupeides Nudicipites, *Latr. Fam. R. A.* 121, 1826.
Clupeidæ, *Jen. Man.* 318. *Gray, Syn. Brit. Mus.* 1842. *Parn. Fish. Firth of Forth*, 155.
Clupeidæ Clupeini, *Bonap. Specchio Gen.* 8.
Clupinæ, *Swains. Lardn. Cycl. Fish.* ii. 186.
Holostei, Lepidosteini, p., *Müll. Wiegm. Arch.* 137, 1845.
Sauroidei, p., *Troschel, Wiegm. Arch.* 245, 1844.

1. CLUPEA.

Clupea, *Cuv. R. A.* ii. 317.
Clupea, p., *L.*
Cyprinus, p., *Bloch, Schneid.*

1. CLUPEA PILCHARDUS. Pilchard. B. M.

Clupea Pilchardus, *Walb. Artedi*, iii. 38. *Bloch, Ichth.* pl. 406. *Bloch, Schneid. Syst. Ichth.* 425. *Don. Brit. Fish.* iii. pl. 69. *Turton, Brit. Faun.* 106. *Flem. Brit. An.* 183. *Jen. Man.* 437. *Yarr. Brit. Fish.* 2 ed. ii. 169. *Parn. Wern. Mem.* vii. 320.

Harengus minor, sive Pilchardus, *Will. Hist. Pisc.* 223, tab. P. 1, f. 1.

Pilchard, *Penn. Brit. Zool.* iii. 300, pl. 68, n. 161. *Id.* (edit. 1812), iii. 453.

Gipsy Herring, Crue Herring. *Scotland.*

HAB.—Coast.
In spirits. England. Presented by Mr. Edward Gerrard.
Cornwall. Presented by Mr. Joseph Priestley.

2. CLUPEA HARENGUS. Common Herring. B. M.

Clupea Harengus, *Linn. Syst. Nat.* i. 522. *Bloch, Ichth.* pl. 29, f. 1. *Bloch, Schneid. Syst. Ichth.* 422. *Lacép. Poiss.* v. 427. *Turt. Brit. Faun.* 106. *Flem. Brit. An.* 182. *Jen. Man.* 434. *Yarr. Brit. Fish.* 2 ed. ii. 183. *Parn. Wern. Mem.* vii. 315, t. 35.

Harengus, *Will. Hist. Pisc.* 219, t. P. 1, f. 2.

British Herring, *Penn. Brit. Zool.* iii. 294, pl. 68, n. 160.

Common Herring, *Penn.* (ed. 1812) iii. 444, pl. 79.

Yawling. *Local name of the young.*

HAB.—Coast.
In spirits. Firth of Forth.

3. CLUPEA LEACHII. Leach's Herring.

Clupea Leachii, *Yarr. in Zool. Journ.* v. 278, pl. 12. *Id. in Proc. Zool. Soc.* 1831, p. 34. *Jen. Man.* 434. *Yarr. Brit. Fish.* 2 ed. ii. 193.

Clupea Leachi, *Bonap. Pesc. Eur.* 33.

HAB.—Coast.
Mouth of Thames and Medway.

4. CLUPEA SPRATTUS. Sprat. B. M.

Clupea Sprattus, *Linn. Syst. Nat.* i. 523. *Bloch, Ichth.* pl. 29, f. 2. *Bloch, Schneid. Syst. Ichth.* 423. *Lacép. Poiss.* v. 444. *Turt. Brit. Faun.* 107. *Jen. Man.* 435. *Yarr. Brit. Fish.* 2 ed. ii. 197. *Parn. Wern. Mem.* vii. 322, t. 35. *Bonap. Pesc. Eur.* 34.*

Sprattus, *Will. Hist. Pisc.* 221.

Sprat, *Penn. Brit. Zool.* iii. p. 303. *Id.* (ed. 1812), iii. 457.

Melet, Esprot ou Harenguet, *Cuv. Règ. Ann.* ii. 318.

Garvie Herring, Garvie. *Local names in Scotland.*

HAB.—Coast.

Devon. Firth of Forth.

In spirits. Specimens found in an arable field in Ross-shire. Presented by Thomas Allen, Esq.

5. CLUPEA MACROCEPHALA. Great-headed Sprat.

Clupea macrocephala, *Swains. Lardn. Cycl. Fish.* ii. 387.

Clupea Leachi? *Bonap. Pesc. Eur.* 33.*

HAB.—Coast.

Mersey, near Liverpool.

2. ROGENIA.

Rogenia, *Valenc. Hist. Nat. Poiss.* xx. 340, 1847.

Clupea, p., *Yarrell.*

Cyprinus, p., *Bloch, Schneid.*

1. ROGENIA ESCA. White-bait. B. M.

White-bait, *Penn. Brit. Zool.* iii. 371, pl. 69, n. 176. *Id.* (ed. 1812), iii. 465, pl. 80.

Cyprinus Esca, *Walb. Artedi*, iii. 36, 1792. *Bloch, Schneid. Syst. Ichth.* 446 (from *Penn.*).

Clupea latulus, *Cuv. Règ. An.* ii. 318.

Clupea alba, *Yarr. in Zool. Journ.* iv. 137, 465, pl. 5, f. 2. *Jen. Man.* 436. *Yarr. Brit. Fish.* 2 ed. ii. 202. *Parn. Wern. Mem.* vii. 325, t. 35. *Bonap. Pesc. Eur.* 34.*

Cyprinus alburnus, var., *Turt. Syst. Nat.* i. 885.

Clupea Alosa, jun. White-bait, *Don. Brit. Fish.* t. 98.
Rogenia alba, *Valenc. Hist. Nat. Poiss.* xx. 341, t. 598.

HAB.—Coast.
In spirits. Thames. Presented by W. Yarrell, Esq. and J. G. Children, Esq.
Firth of Forth. From Dr. Parnell's collection.

3. ALOSA.

Alosa, *Cuv. Règ. An.* ii. 319.
Clupea, p., *L.*

1. ALOSA FINTA. The Twaite Shad. B. M.

Clupea finta, *Cuv. Règ. An.* ii. 320. *Jen. Man.* 437. *Parn. Wern. Mem.* vii. 329.
Clupea Alosa, *Linn. Syst. Nat.* i. 523. *Bloch, Ichth.* pl. 30, f. 1. *Bloch, Schneid. Syst. Ichth.* 423. *Lacép. Poiss.* v. 447. *Don. Brit. Fish.* iii. pl. 57. *Turt. Brit. Faun.* 106. *Flem. Brit. An.* 183.
Alosa finta, *Yarr. Brit. Fish.* 2 ed. ii. 208.
Shad, *Will. Hist. Pisc.* 227, t. P. 3, f. 1. *Penn. Brit. Zool.* iii. 305, pl. 69, n. 164. *Id.* (ed. 1812) iii. 460, pl. 80. *Yarr. in Zool. Journ.* iv. 137, 465, pl. 5, f. 1.
Twaite Shad, *Yarr. Brit. Fish.* ii. 209.
Damin Herring. *Cornwall.*
Elf Herring, Rock Herring. *Scotland.*

HAB.—Coast and Rivers.
In spirits. Young, from the Thames. Presented by W. Yarrell, Esq. and J. G. Children, Esq.

2. ALOSA COMMUNIS. The Allis Shad.

Clupea Alosa, *Cuv. Règ. An.* ii. 319. *Jen. Man.* 438.
Allis, *Penn. Brit. Zool.* iii. 307.
Clupea communis, *Swains. Lardn. Cycl. Fish.* ii. 294.
Alosa communis, *Yarr. Brit. Fish.* 2 ed. ii. 213. *Parn. Wern. Mem.* vii. 330. *Bonap. Pesc. Eur.* p. 34,* fig. *Flem. Phil. of Zool.* pl. 3, f. 1.
Damin Herring. *Cornwall.*

HAB.—Coast and Rivers.

4. ENGRAULIS.

Engraulis, *Cuv. Règ. An.* ii. 322.
Encrasicholus, *Flem. Brit. An.* 183.
Clupea, p., *Linn.*

1. ENGRAULIS ENCRASICOLUS. The Anchovy.

Encrasicholus Encrasicolus, *Flem. Brit. An.* 183. *Cuv. Règ. An.* ii. 322. *Cuv. & Val. Poiss.* xxi. 7.
Engraulis Encrasicholus, *Jen. Man.* 439. *Yarr. Brit. Fish*, 2 ed. ii. 217. *Bonap. Pesc. Eur.* 34.
Clupea Encrasicolus, *Linn. Syst. Nat.* i. 523. *Bloch, Ichth.* pl. 30, f. 2. *Bloch, Schneid. Syst. Ichth.* 423. *Lacép. Poiss.* v. 455. *Don. Brit. Fish.* iii. pl. 50. *Turt. Brit. Faun.* 107.
Engraulis vulgaris, *Cuv. Bonap.*
Var. Engraulis meletta, *Cuv.*
Encrasicholus, *Will. Hist. Pisc.* 225, t. P. 2, f. 2.
Anchovy, *Penn. Brit. Zool.* iii. 304, pl. 67, n. 163. *Id.* (ed. 1812), iii. 441, pl. 78.

HAB.—Coast.

5. LEPISOSTEUS.

Lepisosteus, *Lacép. Poiss.* v. 331.
Lepidosteus, *Auct.*
Esox, p., *Linn.*

1. LEPISOSTEUS OSSEUS. The Bony Pike.

Lepisosteus Gavial, *Lacép. Poiss.* v. 333. *Jen. Man.* 439.
Esox osseus, *Linn. Syst. Nat.* i. 516. *Bloch, Ichth.* pl. 390. *Berk. Syn.* i. 81. *Turt. Brit. Faun.* 105. *Don. Brit. Fish.* v. 100.

Native of North America. (Introduced into the Fauna by mistake).

Sub-order II. M. SUBBRACHIATA.

Decapterygii Jugulares, p., *Bloch, Schneid. Syst.* 23.
Octopterygii Jugulares, p., *Bloch, Schneid. Syst.* 27.
Malacopterygiens subbrachiens, *Cuv. Règ. An.* ii. 330, 1829.
Malacopterygii subbrachiati, *Rich. Faun. Bor.-Amer.* xii.
Subbrachiata, *Latr. Fam. R. A.* 125.
Subbrachiales, *Jen. Man.* 319.
Anacanthini, *Müll. Wiegm. Arch.* 136, 1845.

Fam. VI. GADIDÆ.

Gadoides, *Cuv. Règ. An.* ii. 330, 1829.
Gadoideæ, *Rich. Faun. Bor.-Amer.* 241.
Auchenopteres, p., *Dum. Zool. Anal.* 117, 1806.
Gadini, *Rafin. Indice*, 11, 1810.
Gadusidæ, *Flem. Brit. An.* 178.
Gadites, *Latr. Fam. R. A.* 125.
Gadidæ, *Jen. Man.* 319. *Gray, Syn. Brit. Mus.* 1842. *Parn. Fish. Firth of Forth*, 173. *Swains. Lardn. Cycl. Fish.* 188.
Gadidæ Gadini, G. Lotini, *Bonap. Specchio Gen.* 10, 1845.

1. MORRHUA.

Morhua, *Flem. Brit. An.* 190.
Gadus, p., *Linn.*

1. MORRHUA CALLARIAS. Common Cod. B. M.

Gadus Morrhua, *Linn. Syst. Nat.* i. 436. *Bloch, Ichth.* pl. 64. *Bloch, Schneid. Syst. Ichth.* 7. *Lacép. Poiss.* ii. 369. *Turt. Brit. Faun.* 89. *Don. Brit. Fish.* v. pl. 106. *Jen. Man.* 440. *Parn. Wern. Mem.* vii. 334. *Bonap. Pesc. Eur.* 45.*
Asellus major vulgaris, *Will. Hist. Pisc.* 165, t. L, M, 1, n. 1, f. 4.
Gadus Callarias, *Ekstrom in V. Wright Skand. Fisk.* t. 47.
Morhua vulgaris, *Flem. Brit. An.* 191. *Yarr. Brit. Fish.* 2 ed. ii. 221.
Common Cod-fish, *Penn. Brit. Zool.* iii. 152. *Id.* (ed. 1812) iii. 231.

Deformed var.? Lord-fish, *Yarr. Brit. Fish.* ii. 229.
The Keeling. *Local name.*
Jun. Gadus Callarias, *Linn. Syst. Nat.* i. 436. *Bloch, Ichth.* pl. 63. *Bloch, Schneid. Syst. Ichth.* 6. *Lacép. Poiss.* ii. 409. *Berk. Syn.* i. 67. *Turt. Brit. Faun.* 89. *Nilss. Prodr. Ichth. Scand.* 40. *Jen. Man.* 441. *Bonap. Pesc. Eur.* 45. *Ekstr. in V. Wright Skand. Fisk.* 191, t. 47.
Morhua Callarias, *Flem. Brit. An.* 191, t. 47.
Asellus varius vel striatus, *Will. Hist. Pisc.* 172, t. L, M, 1, n. 1, f. 1.
Gadus barbatus, *Linn. Syst. Nat.* i. 437. *Faun. Suec.* 112.
Variable Cod-fish, *Penn. Brit. Zool.* (ed. 1812) iii. 239.
Le Dorsch, *Cuv. Règ. An.* ii. 332.
Morrhua callarias, *Cuv.*
The Dorsé, *Yarr. Brit. Fish.* 2 ed. ii. 231.

Hab.—Sea.
English Coast.
Skins and in spirits. Firth of Forth.
Mouth of Tweed. Presented by Dr. George Johnston.

2. Morrhua Æglefinus. The Haddock. B. M.

Gadus Æglefinus, *Linn. Syst. Nat.* i. 435. *Bloch, Ichth.* pl. 62. *Bloch, Schneid. Syst. Ichth.* 6. *Lacép. Poiss.* ii. 397. *Don. Brit. Fish.* iii. pl. 59. *Turt. Brit. Faun.* 89. *Jen. Man.* 441. *Wright, Fries & Ekstr. Skand. Fisk.* 86, t. 19.
Onos, *Will. Hist. Pisc.* 170, t. L, M, 1, n. 2.
Morhua Æglefinus, *Flem. Brit. An.* 191. *Yarr. Brit. Fish.* 2 ed. ii. 233. *Parn. Wern. Mem.* vii. 337.
Merlangus Æglefinus, *Bonap. Pesc. Eur.* 45.*
Hadock, *Penn. Brit. Zool.* iii. 158. *Id.* (ed. 1812) iii. 241.
Var. Gadus punctatus, *Turt. Brit. Faun.* i. 90.
Morhua punctatus, *Flem. Brit. An.* 192.
Haddy. *Scotland.*

Hab.—Coast.
Skins. Scotland and England.

3. Morrhua lusca. Bib and Pout. B. M.

Gadus luscus, *Jen. Man.* 442. *Bonap. Pesc. Eur.* 45.*
Gadus luscus et barbatus, *Linn. Syst. Nat.* i. 437. *Turt. Brit. Faun.* 90.

Gadus barbatus, *Bloch, Ichth.* 166. *Bloch, Schneid. Syst. Ichth.* 7.
Gadus bib, *Lacép. Poiss.* ii. 403.
Gadus tacaud, *Lacép. Poiss.* ii. 410.
Gadus luscus, *Bloch, Schneid. Syst. Ichth.* 8, t. 2. *Don. Brit. Fish.* i. pl. 19.
Morhua lusca, M. barbata, *Flem. Brit. An.* 191.
Morrhua lusca, *Yarr. Brit. Fish.* 2 ed. ii. 237. *Parn. Wern. Mem.* vii. 340.
Bib and Blinds (Cornubiensibus), Asellus luscus, *Will. Hist. Pisc.* 169.
Asellus mollis latus, *Id. App.* 22, t. L, M, 1, n. 4.
Pout and Bib, *Penn. Brit. Zool.* iii. 161, 162, pl. 30. *Bib.* 6. (ed. 1812) iii. 246, 247, pl. 34.
Smeltie. *Zetland.*
Kleg. *Scarborough.*
Bleus and Blinds. *Devonshire and Cornwall.*
Whiting Pout. *Local name.*
Brassie. *Scotland.*
Miller's Thumb. *Wales.*

Hab.—Sea.
Skins and in spirits. Coast of England. Presented by Mr. Edward Gerrard.

4. Morrhua minuta. Poor.

Gadus minutus, *Linn. Syst. Nat.* i. 438. *Bloch, Ichth.* pl. 67, f. 1. *Bloch, Schneid. Syst. Ichth.* 7. *Turt. Brit. Faun.* 90. *Jen. Man.* 444. *Bonap. Pesc. Eur.* 45.* *Wright, Fries & Ekstr. Skand. Fisk.* 78, t. 17.
Gadus capelanus, *Lacép. Poiss.* ii. 411.
Asellus mollis minor, *Will. Hist. Pisc.* 171, t. L, M, 1, n. 1, f. 2.
Gadus luscus, *Nilss. Syn.* 41 (nec auct).
Morhua minuta, *Flem. Brit. An.* 191. *Yarr. Brit. Fish.* 2 ed. ii. 241.
Poor or Power, *Jago in Ray's Syn. Pisc.* 163, f. 6.
Poor, *Penn. Brit. Zool.* iii. 163, pl. 30, n. 77. *Id.* (ed. 1812) iii. 249, pl. 34.
Bibben Pout. *Cornwall.*

Hab.—Coast.

2. MERLANGUS.

Merlangus, *Risso, Eur. Mer.* iii. 227.
Gadus, p., *Linn.*
Pollachius, p., *Nilss. Bonap.*
Merlangus, p., *Nilss. Bonap.*

1. MERLANGUS VULGARIS. Whiting. B. M.

Merlangus vulgaris, *Flem. Brit. An.* 195. *Jen. Man.* 445. *Yarr. Brit. Fish.* 2 ed. ii. 244. *Parn. Wern. Mem.* vii. 342. *Bonap. Pesc. Eur.* 45.*

Gadus Merlangus, *Linn. Syst. Nat.* i. 438. *Bloch, Ichth.* pl. 65. *Bloch, Schneid. Syst. Ichth.* 9. *Lacép. Poiss.* ii. 424. *Turt. Brit. Faun.* 91. *Don. Brit. Fish,* ii. pl. 36. *Wright, Fries & Ekstr. Skand. Fisk.* 81, t. 18.

Asellus mollis major seu albus, *Will. Hist. Pisc.* 170, t. L, M, 1, n. 5.

Whiting, *Penn. Brit. Zool.* iii. 167. *Id.* (ed. 1812) iii. 255.

HAB.—Coast.

Skins and in spirits. England. Presented by William Yarrell, Esq.

Firth of Forth.

2. MERLANGUS ALBUS. Couch's Whiting.

Gadus albus, *Risso, Ichth. Nice,* 115.

Merlangus albus, *Yarr. Brit. Fish.* 2 ed. ii. 247.

Merlangus poutassou, *Risso, Hist.* iii 227. *Couch, Zoologist,* 1847, 1824.

Pollachius poutassou, *Bonap. Pesc. Eur.* 45.*

HAB.—Coast. Cornwall.

3. MERLANGUS CARBONARIUS. Coal-Fish. B. M.

Merlangus carbonarius, *Flem. Brit. An.* 195, (p.) *Jen. Man.* 446, (p.) *Yarr. Brit. Fish.* 2 ed. ii. 250, (p.) *Parn. Wern. Mem.* vii. 345.

Gadus carbonarius, *Linn. Syst. Nat.* i. 438. *Bloch, Ichth.* pl. 66. *Bloch, Schneid. Syst. Ichth.* 9. *Don. Brit. Fish.* i. pl. 13. *Turt. Brit. Faun.* 91. *Ekstr. in V. Wright, Skand. Fisk.* 195, t. 48.

Gadus (Merlangus) carbonarius, *Rich. Faun. Bor. Amer.* 247.
Gadus colinus, *Lacép. Poiss.* ii. 416.
Asellus niger, *Will. Hist. Pisc.* 168, t. L, M, l, n. 3.
Pollachius carbonarius, *Bonap. Pesc. Eur.* 45.*
Coal Fish, *Penn. Brit. Zool.* iii. 164, pl. 31, n. 78. *Id.* (ed. 1812) iii. 250, pl. 35.
Sillock, Pittock, Cooth or Kuth, Harbin, Cudden, Colmey, Sethe, Sey, Grey Lord. *Local names.*
Podley (young). *Firth of Forth.*
Coalsey, Poodlers (young). *Newcastle.*
Parr, Billet. *Scarborough.*
Rauning Pollack, Rauner. *Cornwall.*
Junr. Merlangus virens, *Flem. Brit. An.* 195. *Jen. Man.* 447. *Yarr. Brit. Fish.* 2 ed. ii. 256. *Parn. Wern. Mem.* vii. 349.
Gadus virens, *Linn. Syst. Nat.* i. 438. *Bloch, Schneid. Syst. Ichth.* 9. *Neill in Wern. Mem.* i. 532.
Gadus sey, *Lacép. Poiss.* ii. 417.
Green Cod, *Penn. Note to Brit. Zool.* (ed. 1776). *Penn. Brit. Zool.* (ed. 1812). iii. 253.
Pollachius virens, *Bonap. Pesc. Eur.* 45.
Gadus carbonarius, jun., *Ekstr. in V. Wright, Skand. Fisk.*
Merlangus carbonarius, jun., *Couch*, (*Yarrell, l. c.* 257).

Hab.—Coast.
Skins. Specimens from English Coast.

4. Merlangus pollachius. Pollack. B. M.

Merlangus pollachius, *Flem. Brit. An.* 195. *Jen. Man.* 446. *Yarr. Brit. Fish*, 2 ed. ii. 253. *Parn. Wern. Mem.* vii. 347.
Gadus pollachius, *Linn. Syst. Nat.* i. 439. *Bloch, Ichth.* pl. 68. *Bloch, Schneid. Syst. Ichth.* 10. *Lacép. Poiss.* ii. 417. *Don. Brit. Fish.* i. pl. 7. *Turt. Brit. Faun.* 91. *Wright, Fries & Ekstr. Skand. Fisk.* 89, t. 20.
Gadus polachius, *Walb. Artedi*, iii. 127.
Asellus Huitingo-pollachius, *Will. Hist. Pisc.* 167.
Pollachius typus, *Bonap. Pesc. Eur.* 45.*
Pollack, *Penn. Brit. Zool.* iii. 166. *Id.* (ed. 1812) iii. 254.
Whiting, Pollack, Lythe. *Scotland.*
Leet. *Scarborough.*

Hab.—Coast.
In spirits. Specimen from Polperro. Presented by Jonathan Couch, Esq.

3. MERLUCCIUS.

Merluccius, *Rafin. Caratt.* 25, 1810.
Merlucius, *Risso, Eur. Mer.* iii. 220.
Gadus, p., *Linn.*

1. MERLUCCIUS VULGARIS. Common Hake. B. M.

Merluccius vulgaris, *Flem. Brit. An.* 195. *Jen. Man.* 447. *Sundev. in Wright, Skand. Fisk.* 145, t. 33 ("M. argentatus"). *Yarr. Brit. Fish.* 2 ed. ii. 258. *Parn. Wern. Mem.* vii. 350. *Bonap. Pesc. Eur.* 44.*
Gadus Merluccius, *Linn. Syst. Nat.* i. 439. *Bloch, Ichth.* pl. 164. *Bloch, Schneid. Syst. Ichth.* 10. *Don. Brit. Fish.* ii. pl. 28. *Turt. Brit. Faun.* 91.
Gadus Merlucius, *Lacép. Poiss.* ii. 446.
Merlucius esculentus, *Risso, Eur. Mer.* iii. 220?
Merluccius borealis, *Swains. Lardn. Cycl. Fish.* ii. 300.
Asellus primus, *Will. Hist. Pisc.* 174, t. L, M, 2, n. 1.
Hake, *Penn. Brit. Zool.* iii. 168. *Id.* (ed. 1812) iii. 257.

HAB.—Coast.
Skin. Firth of Forth.

4. LOTA.

Lota, *Cuv. Règ. An.* ii. 333.
Lotta, *Risso, Eur. Mer.* iii. 217.
Gadus, p., *L.*
Phycis, p., *Rafin.*
Enchelyopus, p., *Bloch, Schneid.*
Molva, *Flem. Brit. An.* 192.

1. LOTA MOLVA. Ling. B. M.

Gadus molva, *Linn. Syst. Nat.* i. 439. *Bloch, Ichth.* pl. 69. *Lacép. Poiss.* ii. 432. *Turt. Brit. Faun.* 91. *Don. Brit. Fish.* v. pl. 102.
Lota molva, *Jen. Man.* 448. *Yarr. Brit. Fish.* 2 ed. ii. 264. *Parn. Wern. Mem.* vii. 352. *Bonap. Pesc. Eur.* 44.*
Asellus longus, *Will. Hist. Pisc.* 175, t. L, M, 2, n. 2.
Enchelyopus molva, *Bloch, Schneid. Syst. Ichth.* 51.

Molva vulgaris, *Flem. Brit. An.* 192.
Ling, *Penn. Brit. Zool.* iii. 173. *Id.* (ed. 1812) iii. 262.

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

2. LOTA VULGARIS. Burbot. B. M.

Lota vulgaris, *Jen. Man.* 448. *Yarr. Brit. Fish.* 2 ed. ii. 267. *Sundev. in Wright, Skand. Fisk.* 170, t. 41. *Bonap. Pesc. Eur.* 44.*
Gadus Lota, *Linn. Syst. Nat.* i. 440. *Ascanius Icon.* t. 28. *Bloch, Ichth.* 70. *Lacép. Poiss.* ii. 435. *Turt. Brit. Faun.* 91. *Don. Brit. Fish.* iv. pl. 92.
Enchelyopus Lota, *Bloch, Schneid. Syst. Ichth.* 52.
Mustela fluviatilis, *Will. Hist. Pisc.* 125, t. H, 3, f. 4.
Molva Lota, *Flem. Brit. An.* 192.
Burbot, *Penn. Brit. Zool.* iii. 175. *Id.* (ed. 1812) iii. 265.
Coney-fish, Birdbolt, Eelpout. *Local name.*
Lotte commune, *Cuv. Règ. An.* ii. 334.

HAB.—Rivers and Lakes.
Skins and in spirits. England. Presented by J. E. Gray, Esq.

5. MOTELLA.

Motella, *Cuv. Règ. An.* ii. 334.
Gadus, p., *L.*
Onos, *Risso, Eur. Mer.* iii. 214.
Enchelyopus, p., *Bloch, Schneid.*
Petrophilus, *Leach, MSS.*

1. MOTELLA TRICIRRATA. Three-bearded Rock-Ling. B. M.

Gadus tricirratus, *Bloch, Ichth.* pl. 165. *Don. Brit. Fish.* i. pl. 2. *Turt. Brit. Faun.* 92. *Flem. Brit. An.* 193.
Motella tricirrata, *Nilss. Prodr. Ichth. Scand.* 48. *Jen. Man.* 449. *Bonap. Pesc. Eur.* 43.*
Enchelyopus mediterraneus, *Bloch, Schneid.* 52.
Gadus mustela, *Cuv. Règ. An.* 334.
Mustela marina, Rock-Ling, *Jago in Ray's Syn. Pisc.* 164, f. 9.

Three-bearded Cod, *Penn. Brit. Zool.* iii. 176, pl. 33, n. 87. *Id.* (ed. 1812) iii. 267, pl. 36.
Petrophilus vulgaris, *Leach, MSS.*
Motella vulgaris, *Cuv. Règ. An.* ii. 334. *Yarr. Brit. Zool.* 2 ed. ii. 270. *Parn. Wern. Mem.* vii. 354.
Sea Loche, Whistle-fish. *Local names.*
Hab.—Coast.
Falmouth and South Devon.
Skins and in spirits. Plymouth. Presented by Lieut. H. F. Spence, R.N.

2. Motella cimbria. Four-bearded Rock-Ling. B. M.

Gadus cimbrius, *Linn. Syst. Nat.* 440, sp. 16. *Lacép. Poiss.* ii. 442. *Retz. Faun. Suec.* 323.
Enchelyopus cimbricus, *Bloch, Schneid. Syst. Ichth.* 50, t. 9.
Motella cimbrica, *Nilss. Prodr. Ichth. Scand.* 48, sp. 2. *Bonap. Pesc. Eur.* 43.*
Motella cimbria, *Parn. Wern. Mem.* vii. 449, pl. 44. *Yarr. Brit. Fish.* 2 ed. ii. 274.

Hab.—Coast.
In spirits. Presented by Dr. Melville.

3. Motella mustela. Five-bearded Rock-Ling. B. M.

Gadus mustela, *Linn. Syst. Nat.* i. 440. *Don. Brit. Fish.* i. pl. 14. *Turt. Brit. Faun.* 92. *Flem. Brit. An.* 193.
Enchelyopus mustela, *Bloch, Schneid.* 52.
Mustela vulgaris, *Will.* 121.
Five-bearded Cod, *Penn. Brit. Zool.* iii. 177, pl. 33, n. 88. *Id.* (ed. 1812) iii. 268, pl. 36.
Petrophilus quinquecirratus, *Leach, MSS.*
Motella mustela, *Nilss. Prodr. Ichth. Scand.* 49. *Jen. Man.* 450. *Bonap. Pesc. Eur.* 43.*
Motella quinquecirrata, *Cuv. Règ. An.* ii. 334, *Note. Yarr. Brit. Fish.* 2 ed. ii. 278. *Parn. Wern. Mem.* vii. 355.
Sea Loache, Whistle-fish, Brown-whistler, Rock-ling. *Local names.*

Hab.—Coast.
Skins and in spirits. Brighton. Presented by J. G. Children, Esq.
Polperro. Presented by Jonathan Couch, Esq.
Saltash, Devon. Presented by Lieut. H. F. Spence, R.N.
Firth of Forth. Presented by Dr. Parnell.

4. MOTELLA ARGENTEOLA. Silvery Gade. B. M.

Gadus argenteolus, *Mont. Wern. Mem.* ii. 449. *Flem. Brit. An.* 193. *Jen. Man.* 451.
Motella argenteola, *Yarr. Brit. Fish.* 2 ed. ii. 283. *Bonap. Pesc. Eur.* 43.*
Var? Motella glauca, *Jen. Man.* 451. *Yarr. Brit. Fish.* 2 ed. ii. 281. *Bonap. Pesc. Eur.* 43.*
Midge (Ciliata glauca), *Couch in Loud. Mag. of Nat. Hist.* v. 15, f. 2, p. 741. *Zool. Journ.* i. 132.
Midgen, Mackerel Medge. *Cornwall.*

HAB.—Coast.
In spirits. Polperro. Presented by Jonathan Couch, Esq.
Cornwall. Presented by W. Yarrell, Esq.

6. BROSMIUS.

Brosmius, *Cuv. Reg. An.* ii. 334.
Brosmus, *Flem. Brit. An.* 194.
Gadus, p., *Linn.*
Blennius, p., *Lacép.*
Enchelyopus, p., *Bloch, Schneid.*

1. BROSMIUS BROSME. Torsk.

Brosmus vulgaris, *Flem. Brit. An.* 194. *Jen. Man.* 452. *Yarr. Brit. Fish*, 2 ed. ii. 285. *Parn. Wern. Mem.* vii. 357.
Gadus Brosme, *Gmel. Linn.* i. pt. iii. 1175. *Bloch, Schneid. Syst. Ichth.* 9. *Lacép. Poiss.* ii. 450. *Don. Brit. Fish.* iii. pl. 70. *Turton, Brit. Faun.* 92. *Nilss. Prod. Ichth. Scand.* 47.
Gadus Brosme, var. *a. Walb. Artedi*, iii. 142.
"Gadus Keila, *Olafs.*" *Bonap.*
Blennius Torsk, *Lacép. Poiss.* ii. 508.
Enchelyopus Brosme, *Bloch, Schneid. Syst. Ichth.* 50.
Brosmius Scotica, *Swains. Lardn. Cycl. Fish.* ii. 301.
Gadus lub, *Euphras. Nya Handl. Stockh.* xv. f. 8?
Torsk, *Penn. Brit. Zool.* iii. 178, pl. 34. *Id.* (edit. 1812), iii. 269. pl. 37. *Low, Faun. Orc.* 200.
Brismack, Lump, Tusk. *Local names.*

HAB.—Northern Seas.

7. PHYCIS.

Phycis, *Artedi. Cuv. Règ. An.* ii. 335.
Physcis, *Flem. Brit. An.*
Blennius, p., *Risso.*

1. PHYCIS BIFURCUS. Forked Hake. B. M.

Physcis furcatus, *Flem. Brit. An.* 193.
Phycis furcatus, *Jen. Man.* 452. *Yarr. Brit. Fish.* 2 ed. ii. 289. *Bonap. Pesc. Eur.* 42.*
Phycis blennoides, *Nilss. Prod. Ichth. Scand.* 49.
Blennius gadoides, *Risso, Ichth.* 136?
Asellus Callarias, *Will. Hist. Pisc.* 205. *Ray, Syn. Pisc.* 75.
Gadus albidus, *Gmel. Syst. Nat.* i. 1171.
Barbus major, *Jago, in Ray, Syn. Pisc.* 163, f. 7.
Blennius Phycis, *Linn. Syst. Nat.* 442. *Shaw, Gen. Zool.* iv. 172. *Turton, Brit. Faun.* 93.
Gadus bifurcus, *Walb. Artedi*, iii. 137 (1792).
Forked Hake, *Penn. Brit. Zool.* iii. 170, pl. 31, No. 82. *Id.* (edit. 1812), iii. 259, pl. 35.
Greater forked Beard, *Couch, in Linn. Trans.* xiv. pl. 75.
Hake's dame. *Cornwall.*

HAB.—Coast.
Stuffed. Liverpool. Presented by J. P. George Smith, Esq.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

8. RANICEPS.

Raniceps, *Cuv. Règ. An.* ii. 336.
Gadus, p., *Müller.*
Phycis, p. *Bloch, Schneid.*
Batrachoides, p., *Lacép.*
Batrachocephalus, *Hollb.*

1. RANICEPS FUSCUS. Trifurcated Hake. B. M.

Raniceps trifurcatus, *Flem. Brit. An.* 194. *Jen. Man.* 453. *Parn. Wern. Mem.* vii. 359, t. 36. *Yarr. Brit. Fish.* 2 ed. ii. 292 (copied from Parnell.)
Phycis fusca, *Bloch, Schneid. Syst. Ichth.* 57.

Blennius trifurcatus, *Shaw, Gen. Zool.* iv. 174. *Turton, Brit. Faun.* 93.
Raniceps Jago, *Flem. Brit. An.* 194.
Blennius tridactylus, *Lacép. Poiss.* ii. 484.
Gadus trifurcus, *Walb. Artedi.* iii. 139.
Trifurcated Hake, *Penn. Brit. Zool.* iii. 172, pl. 32.
Batrachoides trifurcatus, *Gent. Mag. June*, 1809.
Trifurcated Tadpole-Fish, *Pennant* (ed. 1812), *Brit. Zool.* iii. 272, pl. 38.
Gadus raninus, *Müll. Zool. Dan.* t. 45.
Batrachocephalus Blennioides, *Hollb. Göth. Vet. Sällsk. n. Handl.* iii. 39, f.
Raniceps niger, *Nilss. Syn.* 50. *Wright, Fries and Ekstr. Skand. Fisk.* 92, t. 21.
Raniceps fuscus, *Bonap. Pesc. Eur.* 46.*
Tommy Noddy. *Cornwall.*
Var. Raniceps Jago, *Flem. Brit. An.* 194. *Jen. Man.* 454.
Gadus minimus, *Walb. Artedi*, iii. 143.
Barbus minor (The Lesser Forked-Beard), *Jago, in Ray's Syn. Pisc.* 164, f. 8. *Couch in Linn. Trans.* xiv. 75.
Blennius Raii, *Bloch, Schneid.* 171.
Least Hake, *Penn. Brit. Zool.* iii. 171. *Id.* (edit. 1812), iii. 261.

HAB.—Coast.
In spirits. Berwick Bay. Presented by Dr. George Johnston.
In spirits. Polperro, Cornwall. Presented by Jonathan Couch, Esq.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

Fam. VII. PLEURONECTIDÆ.

Poissons plats, *Cuv. Règ. An.* ii. 337 (1829).
Platessoideæ, *Richardson, Faun. Bor.-Amer.* 255.
Heptapterygii Jugulares, p., *Bloch, Schneid. Syst.* 34.
Heterosomes, *Dumeril, Zool. Anal.* 133 (1806).
Pleronectti, *Rafin. Indice*, 14.
Pleuronectidæ, *Flem. Brit. An.* 178. *Gray, Syn. Brit. Mus.* 1842. *Jen. Man.* 320. *Swains. Lardn. Cycl. Fish.* ii. 187. *Parn. Fish. Firth of Forth*, 201.
Heterosomata, *Bonap. Specchio Gen.* 9. *Pesc. Eur.* 47.*
Pleuronectidæ, Soleidæ, *Bonap. Specchio Gen.* 9.
Diprosopa, *Latr. Fam. Règ. An.* 126.
Ctenoïdes, p., *Agassiz, Poiss. Foss.* iv. (1834).
Gastronectæ, *Gottsche, Wiegm. Arch.* 1835, 133.
Pleuronectides, *Müll. Wiegm. Arch.* 1845, 136.

1. PLATESSA.

Platessa, *Cuv. Règ. An.* ii. 338.
Pleuronectes, p., *Linn.*

* Platessa, *Bonap. Pesc. Eur.* p. 48.*
Glyptocephalus, p. *Gottsche. Wiegm. Arch.* 1835.

1. PLATESSA VULGARIS. The Common Plaice. B. M.

Platessa vulgaris, *Flem. Brit. An.* 198. *Jenyns, Man.* 454. *Yarr. Brit. Fish.* 2nd edit. ii. 297. *Parn. Wern. Mem.* vii. 361, t. 37. *Bonap. Pesc. Eur.* 48.*
Pleuronectes Platessa, *Linn. Syst. Nat.* t. 1, p. 456. *Bloch, Ichth.* pl. 42. *Bloch, Schneid. Syst. Ichth.* 144. *Lacép. Poiss.* iv. 628. *Don. Brit. Fish.* i. pl. 6. *Turt. Brit. Faun.* 96.
Passer Bellonii, *Will. Hist. Pisc.* 96, t. F. 3.
Var.? Pleuronectes borealis, *Fab. Isis*, 1828?
Var.? Platessa Pseudoflesus, *Gottsche, Wiegm. Arch.* 1835, 135, 143?
Plaise, *Penn. Brit. Zool.* iii. 199. *Id.* (edit. 1812), iii. 304.
Diamond Plaice. *Local variety. Sussex.*
Fluke. *Scotland.*
Dutch Plaise. *Local name.*

HAB.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N.
Firth of Forth.

2. PLATESSA FLESUS. The Flounder. B. M.

Platessa Flesus, *Flem. Brit. An.* 198. *Jen. Man.* 455. *Yarr. Brit. Fish.* 2nd edit. ii. 303, 320 (Skeleton). *Parn. Wern. Mem.* vii. 363, t. 37. *Bonap. Pesc. Eur.* 48.*
Pleuronectes Flesus, *Linn. Syst. Nat.* i. 457. *Bloch, Ichth.* pl. 44. *Bloch, Schneid. Syst. Ichth.* 146. *Lacép. Poiss.* iv. 633. *Don. Brit. Fish.* iv. pl. 94. *Turt. Brit. Faun.* 96.
Var. Pleuronectes passer, *Bloch*, t. 50.
Var. Pleuronectes roseus, *Shaw, Nat. Misc.* vii. pl. 238. *Zool.* iv. t. 43.*
Passer fluviatilis, *Will. Hist. Pisc.* 98, t. F. 5.

Flounder, *Penn. Brit. Zool.* iii. 200. *Id.* (edit. 1812), iii. 307.
Butt. *Yarmouth.*
Fluke, Mayock Fleuke, Fresh-water Fluke, Mud Flounder. *Local names.*

HAB.—Coast and Rivers.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N. Firth of Forth.

3. PLATESSA POLA. The Pole. B. M.

Platessa Pola, *Cuv. Règ. An.* ii. 339. *Jen. Man.* 458. *Parn. Wern. Mem.* vii. 370, t. 38. *Yarr. Brit. Fish.* 2 edit. ii. 315. *Bonap. Wiegm. Arch.* 1835, 157.
Craig Fluke, *Parn. Edinb. New Phil. Journ.* No. 37, July, 1835, 210.
Pleuronectes Saxicola, *Fab. Isis*, 1828, 877.
Glyptocephalus Saxicola, *Gottsche, Wiegm. Arch.* 1835, 156.
Pleuronectes nigromanus, *Nilss. Prod. Ichth. Scand.* 55?
Craig-fluke. *Firth of Forth.*
French Sole. *Local name.*

HAB.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N. Brixham and Firth of Forth. (Coll. Parnell).
County Down, Ireland. Presented by W. Thompson, Esq.

4. PLATESSA ELONGATA. The Long Flounder.

Platessa elongata, *Yarr. Supp. Brit. Fishes. Brit. Fish.* 2 edit. ii. 318. *Bonap. Pesc. Eur.* 48.*

HAB.—Coast.

** Cynoglossa, *Bonap. Pesc. Eur.* 48.*
Microstomus, *Gottsche, Wiegm. Arch.* 1835, 150.

5. PLATESSA LÆVIS. The Small-headed Dab. B. M.

Platessa microcephalus, *Flem. Brit. An.* 198. *Jen. Man.* 457. *Parn. Wern. Mem.* vii. 366, t. 38.
Pleuronectes cynoglossus, *Linn. Syst. Nat.* i. 456?

Pleuronectes microcephalus, *Don. Brit. Fish.* ii. pl. 42. *Turt. Brit. Faun.* 96.
Pleuronectes lævis, *Turt. Brit. Faun.* 96.
Platessa quadridens, *Fab. Isis*, 1828, 884.
Platessa microstomus, *Nilss. Prod. Ichth. Scand.* 53?
Microstomus latidens, *Gottsche, Weigm. Arch.* 1835, 150.
Cynoglossa microcephala, *Bonap. Pesc. Eur.* 48.*
Cynoglossa microstoma? *Bonap. MSS.*
Rhombus lævis Cornubiensis maculis nigris (A Kitt), *Jago in Ray's Syn. Pisc.* 162, f. 1.
Lemon Dab, Smooth Dab, *Yarr. Brit. Fish.* 2 edit. ii. 309.
Small-headed or Smear Dab, *Donovan.*
Smear Dab, *Penn. Brit. Zool.* iii. 230, but not pl. 41, No. 106.
Smear Dab, (Pleuronectes lævis), *Hanmer, MSS.* (edit. 1812), iii. 309, pl. 47.
New species of Sole, *Edinb. New Phil. Journ.* No. 37, July, 1835, 209.
Sandfleuk, Marysole, Town Dab. *Scotland.*
Queen or Queen-fish. *Penzance.*

HAB.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N. Firth of Forth.

*** Limanda, *Bonap. Pesc. Eur.* 48.*
Hippoglossoides, *Gottsche, Wiegm. Arch.* 1835, 168.*
Limanda, *Gottsche, l. c.* 160.

6. PLATESSA LIMANDA. The Dab. B. M.

Platessa Limanda, *Flem. Brit. An.* 198. *Jen. Man.* 456. *Yarr. Brit. Fish.* 2 ed. ii. 307. *Parn. Wern. Mem.* vii. 365, t. 37.
Pleuronectes Limanda, *Linn. Syst. Nat.* i. 457. *Bloch, Ichth.* pl. 46. *Bloch, Schneid. Syst. Ichth.* 145. *Lacép. Poiss.* 621. *Don. Brit. Fsh.* ii. *pl.* 44. *Turt. Brit. Faun.* 96. *Sundev. in Wright, Skand. Fisk.* 150, 34.
Limanda vulgaris, *Gottsche, Wiegm. Arch.* 1835, 160.
Limanda oceanica, *Bonap. Pesc. Eur.* 48.*
Passer asper sive squamosus, *Will. Hist. Pisc.* 97, tab. F. 4.
Dab, *Penn. Brit. Zool.* iii. 201. *Id.* (edit. 1812), 308.
Saltie, Salt-water Fluke. *Edinburgh.*

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N. Firth of Forth. (Coll. Parnell).

7. PLATESSA LIMANDOIDES. Long rough Dab. B. M.

Pleuronectes Limandoides, *Bloch, Ichth.* pl. 186. *Bloch, Schneid. Syst. Ichth.* 146. *Gmel. Linn.* i. pt. iii. 1232. *Lacép. Poiss.* iv. 635. *Nilss. Prod. Ichth. Scand.* 57.
Platessa Limandoides, *Parn. Wern. Mem.* vii. 368, t. 38. *Yarr. Brit. Fish.* 2 ed. ii. 312. *Jen. Man.* 459.
Pleuronectes Linguatula, *Müll. Prodr.* 377.
Pleuronectes limandanus, *Parn. Edinb. New Phil. Journ.* No. 37, July, 1835, 210.
Hippoglossoides Limanda, *Gottsche, Weigm. Arch.* 1835, 168.
Long rough Dab, *Yarrell.*
Sand sucker. *Scotland.*
Sand fleuk, Long fleuk. *Local names.*

HAB.—Coast.
Skins. Brixham and Firth of Forth.

2. HIPPOGLOSSUS.

Hippoglossus, *Cuv. Règ. An.* ii. 340
Pleuronectes, *Linn.*

1. HIPPOGLOSSUS VULGARIS. The Holibut. B. M.

Hippoglossus vulgaris, *Flem. Brit. An.* 199. *Jen. Man.* 460. *Yarr. Brit. Fish.* 2 ed. ii. 321. *Parn. Wern. Mem.* vii. 372.
Pleuronectes Hippoglossus, *Linn. Syst. Nat.* i. 456. *Bloch, Ichth.* pl. 47. *Bloch, Schneid. Syst. Ichth.* 147. *Lacép. Poiss.* iv. 601. *Don. Brit. Fish.* iv. pl. 75. *Turton, Brit. Faun.* 95. *Nilss. Prod. Ichth. Scand.* 57.
Hippoglossus maximus, *Gottsche, Wiegm. Arch.* 1835, 164.
Hippoglossus gigas, *Swains. Lardn. Cyc. Fish.* ii. 302. *Bonap. Pesc. Eur.* 47.*
Hippoglossus, *Will. Hist. Pisc.* 99, tab. F. 6.
Holibut, *Penn. Brit. Zool.* iii. 198. *Id.* (edit. 1812), iii. 302.

HAB.—Coast.
Skin. England.
Firth of Forth.

3. PSETTA.

Rhombus, *Cuv. Règ. An.* ii. 340 (not *Lacép.*)
Pleuronectes, *Linn.*
Scophthalmus, *Rafin.*
Bothus, *Rafin. Caratt.* 23.
Psetta, *Swains. Lardn. Cycl. Fish.* ii. 302. *Bonap. Pesc. Eur.* 49.*

1. PSETTA MAXIMA. The Turbot. B. M.

Pleuronectes maximus, *Linn. Syst. Nat.* i. 459. *Bloch, Ichth.* pl. 49. *Bloch, Schneid. Syst. Ichth.* 153. *Don. Brit. Fish.* ii. pl. 46. *Flem. Brit. An.* 196. *Jen. Man.* 461.
Pleuronectes turbot, *Lacép. Poiss.* iv. 645.
Pleuronectes tuberculatus, *Shaw, Gen. Zool.* iv. 312. *Turton, Brit. Faun.* 97.
Bothus imperialis, *Rafin. Caratt.* 23.
Scophthalmus maximus, *Rafin. Indice,* 14.
Rhombus aculeatus, *Gottsche, Wiegm. Arch.* 1835, 172.
Psetta maximus, *Swains. Lardn. Cycl. Fish.* ii. 302.
Psetta maxima, *Bonap. Pesc. Eur.* 49.*
Rhombus maximus asper non squamosus, *Will. Hist. Pisc.* 94, tab. F. 2.
Turbot, *Penn. Brit. Zool.* iii. 204. *Id.* (edit. 1812), iii. 315, pl. 49.
Rhombus maximus, *Cuv. Règ. An.* ii. 341. *Bonap. Icon. Faun. Ital.* 24,* t. f. 2. *Yarr. Brit. Fish.* 2 ed. ii. 324. *Parn. Wern. Mem.* vii. 373.
Rawn fleuk, Bannock fleuk, Gunner fleuk. *Scotland.*
Pleuronectes Cyclops, *Don. Brit. Fish.* iv. t. 90. Young fry, *Yarr.* ii. 329

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.
Firth of Forth.

2. PSETTA RHOMBUS. The Brill. B. M.

Pleuronectes Rhombus, *Linn. Syst. Nat.* i. 458. *Bloch, Ichth.* t. 43. *Lacép. Poiss.* iv. 649. *Don. Brit. Fish.* iv. pl. 95. *Sow. Brit. Misc.* pl. 50. *Turton, Brit. Faun.* 97. *Flem. Brit. An.* 196. *Jen. Man.* 462.

Rhombus non aculeatus squamosus, *Will. Hist. Pisc.* 95, tab. F. 1.
Bothus Rumolo, *Rafin. Caratt.* 23.
Scophthalmus Rhombus, *Rafin. Indice*, 14.
Rhombus lævis. *Gottsche*, *Wiegm. Arch*, 1835, 175. *Bonap. Icon. Faun. Ital.* iii. 23,* t. f. 2.
Psetta rhombus, *Bonap. Pesc. Eur.* 49.*
Rhombus barbatus, *Risso*, *Eur. Mer.* iii.
Pearl, *Penn. Brit. Zool.* iii. 208. *Id.* (edit. 1812), iii. 321, pl. 50.
Rhombus vulgaris, *Cuv. Règ. An.* ii. 341. *Yarr. Brit. Fish.* 2 ed. ii. 331. *Parn. Wern. Mem.* vii. 375.
Brill, Pearl, Kite, Brett, Bonnet-fluke. *Local names.*
Pleuronectes arenarius, *Ström.-Gron. Zooph.* 74.
Pleuronectes lioderma, *Nardo. Prodr. Ichth. Adr.* 132.

Hab.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N. Firth of Forth.

4. ZEUGOPTERUS.

Zeugopterus, *Gottsche*, *Wiegm. Arch.* 1835, 178.
Scophthalmus, *Bonap. Pesc. Eur.* 49.*
Pleuronectes, *Müller.*
Rhombus, *Yarrell.*

1. Zeugopterus hirtus. The Black hairy Flounder. B. M.

Pleuronectes hirtus, *Müll. Zool. Dan.* 36, tab. 103. *Jen. Man.* 463. *Sund. in Wright*, *Skand. Fisk.* 119.
Pleuronectes lævis, *Shaw*, *Gen. Zool.* iv. 299?
"Smear Dab," *Penn. Brit. Zool.* iii. pl. 41, No. 106.
Pleuronectes Kitt, *Bloch*, *Schneid. Syst. Ichth.* 162.
Top-knot Flounder (Pleuronectes punctatus), *Hanmer*, *Penn. Brit. Zool.* (edit. 1812), iii. 322, pl. 51.
Zeugopterus hirtus, *Gottsche*, *Wiegm. Arch.* 1835, 178.
Scophthalmus hirtus, *Bonap. Pesc. Eur.* 49.*
Whiff, *Couch in Linn. Trans.* xiv. 78.
Rhombus hirtus, Müller's Topknot, *Yarr. Brit. Fish.* 2 ed. ii. 334. *Parn. Wern. Mem.* vii. 376. *Ross*, *Zool.* 1843, 106, f.
Browny. *Cornwall.*
Little black hairy fluke. *Edinburgh Market.*

Hab.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

2. ZEUGOPTERUS PUNCTATUS. The Spotted Top-knot. B. M.

Pleuronectes punctatus, *Bloch, Ichth.* pl. 189? *Bloch, Schneid. Syst. Ichth.* 155? *Flem. Wern. Mem.* ii. 241. *Phil. Zool.* iii. f. 2. *Brit. An.* 196. *Jen. Man.* 462.
Pleuronectes Cardina, *Cuv. Règ. An.* ii. 341? *Sundev. in V. Wright, Skand. Fisk.* 200, t. 50.
Rhombus unimaculatus, *Risso, Hist.* iii. 252?
Rhombus punctatus, *Yarr. Brit. Fish.* 2 ed. ii. 338.
Scophthalmus punctatus, *Bonap. Pesc. Eur.* 49.

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

5. PLEURONECTES.

Pleuronectes, p., *Linn.*
Pleuronectes, *Bonap. Pesc. Eur.* 47.*
Rhombus, p., *Yarrell.*

1. PLEURONECTES MEGASTOMA. The Whiff. B. M.

Pleuronectes Megastoma, *Don. Brit. Fish.* iii. pl. 51 (1804). *Turt. Brit. Faun.* 97. *Flem. Brit. An.* 196. *Jen. Man.* 465. *Yarr. Brit. Fish.* 2 ed. ii. 342.
Pleuronectes, sp. 30, *Walb. Artedi*, iii. 120.
Passer Cornubiensis (A Whiff), *Jago, in Ray's Syn. Pisc.* 163, f. 2.
Pleuronectes megastomus, *Bonap. Pesc. Eur.* 47.*
Whiff, *Penn. Brit. Zool.* iii. 209.
Pleuronectes pseudopalus, *Hanmer, MSS. Id.* (2 edit. 1812), iii. 324, pl. 52.
Carter, or Lantern-fish, *Couch, in Linn. Trans.* xiv. 78.
Carter. *Cornwall.*
Lantern-fish. *Local name.*
Merrysole. *Cornwall.*

HAB.—Coast.

2. PLEURONECTES LATERNA. The Scald-fish. B. M.

Pleuronectes Arnoglossus, *Turton, Brit. Faun.* 97.
Pleuronectes Arnglossus, *Flem. Brit. An.* 197. *Bonap. Faun. Ital.* iii. t. f. 3? *Jen. Man.* 465.

Arnoglossus, vel Solea lævis, *Will. Hist. Pisc.* 102, tab. F. 8, f. 7?
Smooth Sole, *Penn. Brit. Zool.* iii. 204.
Pleuronectes diaphanus, *Shaw, Gen. Zool.* iv. 309.
Pleuronectes Laterna, *Walb. Artedi*, iii. 121.
Pleuronectes casurus, Scald-Fish Flounder, *Hanmer, MSS. Id.* (ed. 1812), iii. 325, pl. 53.
Pleuronectes Leotardi, *Risso, Ichth. Nice.* 318.
Rhombus nudus, *Risso, Hist.* iii. 251.
Pleuronectes pellucidus, *Nardo. Prodr. Ichth. Adr.* sp. 134.
Rhombus Arnoglossus, *Yarr. Brit. Fish.* 2 ed. ii. 345.
Pleuronectes casurus, *Bonap. Pesc. Eur.* 47.*
Megrim. *Cornwall.*

Hab.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

6. SOLEA.

Solea, *Cuv. Reg. An.* ii. 342.
Pleuronectes, p., *Linn.*

1. Solea vulgaris. The Common Sole. B. M.

Solea vulgaris, *Flem. Brit. An.* 197. *Jen. Man.* 467. *Gottsche, Wiegm. Arch.* 1835, 182. *Bonap. Icon. Faun. Ital.* 26, t. f. 1—2. *Yarr. Brit. Fish.* 2 ed. ii. 347. *Parn. Wern. Mem.* vii. 378.
Pleuronectes Solea, *Linn. Syst. Nat.* i. 457. *Bloch, Ichth.* pl. 45. *Bloch, Schneid. Syst. Ichth.* 146. *Lacép. Poiss.* iv. 623. *Don. Brit. Fish.* iii. pl. 52. *Turton, Brit. Faun.* 96. *Ekstr. in Wright, Skand. Fisk.* 165, t. 39.
Solea buglossa, *Rafin. Ind. Itt. Sic.* sp. 45.
Buglossus, seu Solea, *Will. Hist. Pisc.* 100, tab. F. 7.
Sole, *Penn. Brit. Zool.* iii. 203. *Id.* (edit. 1812), 311.
Var. Solea radiata, *Risso, Eur. Mer.* iii.

Hab.—Coast.
Skins, and in spirits. England. Presented by J. E. Gray, Esq.
British Channel (pale variety). Presented by Messrs. Oliffe and Cole.
Saltash. Presented by Lieut. H. F. Spence, R.N.
Firth of Forth.

2. SOLEA PEGUSA. The Lemon Sole. B. M.

Solea Pegusa, *Yarr. Zool. Journ.* iv. 467, pl. 16. *Jen. Man.* 467, *Yarr. Brit. Fish.* 2 ed. ii. 351. *Bonap. Pesc. Eur.* 50.*
Pleuronectes pegusa, *Lacép. Poiss.* iv. 635?
French Sole. *Sussex Coast.*
Sand Sole. *Devon Coast.*

HAB.—Coast.
Skins and in spirits. South of England. Presented by W. Yarrell, Esq.
Brixham. Presented by Dr. Parnell.
Plymouth Fish-market. Presented by Lieut. H. F. Spence, R.N.

7. MONOCHIR.

Monochir, *Cuv. Règ. An.* ii. 343.
Monochirus, *Yarrell.*
Pleuronectes, p., *Linn.*
Microchirus, *Bonap. Pesc. Eur.* 50.*

1. MONOCHIR VARIEGATUS. The Variegated Sole. B. M.

Pole panachée, *Duhamel*, sect. ix. pl. 2, f. 3.
Pleuronectes lingula, Red-backed Flounder, *Hanmer, MSS. Penn. Brit. Zool.* (edit. 1812), iii. 313, pl. 48.
Pleuronectes variegatus, Variegated Sole, *Don. Brit. Fish.* pl. 117, (1807).
Pleuronectes microchirus, *Delar. Ann. Mus.*
Solea variegata, Variegated Sole, *Flem. Brit. An.* 197.
Solea Mangilii (*Risso*). *Bonap. Icon. Faun. Ital.* iii. 27,** t. f. 3.
Pleuronectus fasciatus, *Nardo.*
Monochirus variegatus, *Thomps. Ann. Nat. Hist.* ii. 404. *Yarr. Brit. Fish.* ii. 353.
Microchirus lingula, *Bonap. Pesc. Eur.* 50.

HAB.—Coast.
Skins. Plymouth. (Mus. Leach).
Plymouth. Presented by Lieut. H. F. Spence, R.N.
Brixham. Presented by Dr. Parnell.

2. MONOCHIR LINGUATULA. The Little Sole. B. M.

Solea Lingula, *Jen. Man.* 468.
Pleuronectes Linguatula, *Linn. Syst. Nat.* i. 457?
Solenette, *Duhamel*, sect. ix. pl. 2, f. 1—2.
Solenette, or Little Sole, *Yarr. Brit. Fish.* ii. 355.
Rhombus luteus, *Risso, Eur. Mer.* iii.
Microchirus luteus, *Bonap. Pesc. Eur.* 50.*
Monochirus minutus, *Parn. Mag. Zool. & Botany*, i. 527.
Solea parva, sive Lingula, *Rondel. Pisc.* 324. *Will. Hist. Pisc.* 102, tab. F. 8, f. 1.
Monochirus linguatulus, *Cuv. Règ. An.* ii. 343. *Thomps. Ann. Nat. Hist.* ii. 405. *Yarr. Brit. Fish.* 2 ed. ii. 355.
Red Sole. *Local name.*

HAB.—Coast.
In spirits. Brighton. Presented by J. G. Children, Esq.

Fam. VIII. CYCLOPTERIDÆ.

Discoboles, *Cuv. R. A.* ii. 344 (1829).
Discobola, *Latr. Fam. R. A.* 127.
Plecopteres, *Dum. Zool. Anal.* 109 (1806).
Hendecapterygii, p., *Bloch, Schneid. Syst. Ichth.* 1 (1801).
Heptapterygii, Thoracici, p., *Bloch, Schneid. Syst.* 37.
Percæ, p., *Bonap. Specchio Gen.*
Blennii, Cyclopteridæ, *Bonap. Pesc. Eur.* 64.*
Discoboli, *Rich. Faun. Bor.-Amer.* 260. *Jenyns, Manual*, 321. *Parn. Fish. Firth of Forth*, 220.
Cyclopteridæ, *Gray, Syn. Brit. Mus.* 1842, 150. *Swains. Lard. Cycl. Fish.* ii. 197.
Cyclopteridæ, Cyclopterini, *Bonap. Specchio Gen.* 10.
Cyclopodi, Discoboli, *Müll. Wiegm. Arch.* 1843, 297.
Gobioidei, p., *Müll. Weigm. Arch.* 1845, 130.

1. LEPADOGASTER.

Lepadogaster, *Gouan.*
Cyclopterus, p., *Shaw.*
Gobiesox, p., *Lacép.*
Piescephalus, p., *Rafin.*
Rupisuga, p., *Swains.*

1. LEPADOGASTER ROSTRATUS. The Cornish Sucker. B. M.

Lepadogaster Cornubiensis, *Flem. Brit. An.* 189. *Jen. Man.* 469.
Lepidogaster Cornubiensis, *Yarr. Brit. Fish.* 2 ed. ii. 359.
Cyclopterus lepadogaster, *Walb. Artedi*, vii. 490.
Lepadogaster rostratus, *Bloch*, *Schneid. Syst. Ichth.* 1.
Cyclopterus Cornubicus, *Shaw*, *Gen. Zool.* v. 397.
Cyclopterus ocellatus, *Don. Brit. Fish.* iv. 76 (1805). *Turt. Brit. Faun.* 116.
Lepadogaster biciliatus, *Risso*, *Eur. Mer.* iii. 272?
Small Suck-Fish, *Borl. Cornw.* 269, pl. 25, f. 28 & 29.
Jura Sucker, *Penn. Brit. Zool.* iii. 120, pl. 22, No. 59. *Id.* (ed. 1812), iii. 181, pl. 25. *Couch, in Linn. Trans.* xiv. 87.

HAB.—Coast.
In spirits. Falmouth. Presented by W. P. Cocks, Esq.
Falmouth, Plymouth, and S. Devon. From Dr. Leach's collection.
Polperro. Presented by J. Couch, Esq.

2. GOBIESOX.

Gobiesox, *Lacép. Poiss. Cuv. R. A.* ii. 345. *Swains. Lardn. Cycl.* ii. 339.
Cyclopterus, p., *Bloch*, *Schneid.*
Lepadogaster, p., *Fleming.*

1. GOBIESOX BIMACULATUS. The Bimaculated Sucker. B. M.

Lepadogaster bimaculatus, *Flem. Brit. An.* 190. *Jen. Man.* 470. *Bonap. Pesc. Eur.* 65.*
Lepidogaster bimaculatus, *Yarr. Brit. Fish.* 2 ed. ii. 363.
Cyclopterus bimaculatus, *Walb. Artedi*, iii. 490. *Bloch*, *Schneid. Syst. Ichth.* 199. *Turt. Syst. Nat.* i. 907. *Don. Brit. Fish.* iv. 78. *Turt. Brit. Faun.* 115.
Gobiesox bimaculatus, *Cuv. R. A.* ii. 345.
Bimaculated Sucker, *Penn. Brit. Zool.* iii. *App.* 345, pl. 22. *Id.* (ed. 1812), iii. 181, pl. 25. *Mont. in Linn. Trans.* vii. 293.
Le Cycloptère bimaculé, *Lacép. Poiss.* ii. 67.

HAB.—Coast.
In spirits. Salcombe, Devon. From Dr. Leach's collection.

3. CYCLOPTERUS.

Cyclopterus, *Linn*

1. CYCLOPTERUS LUMPUS. Lump Sucker. B. M.

Cyclopterus Lumpus, *Linn. Syst. Nat.* i. 414. *Bloch, Ichth.* pl. 90. *Bloch, Schneid. Syst. Ichth.* 197. *Don. Brit. Fish.* i. pl. 10. *Turt. Brit. Faun.* 115. *Flem. Brit. An.* 190. *Cuv. R. A.* ii. 346. *Rich. Faun. Bor.-Amer.* 260. *Jen. Man.* 471. *Yarr. Brit. Fish.* 2 ed. ii. 365. *Parn. Wern. Mem.* vii. 380.
Lumpus Anglorum, *Will. Hist. Pisc.* 208, tab. No. 11.
Le Cycloptère Lompe, *Lacép. Poiss.* ii. 52.
Lump-Sucker, *Penn. Brit. Zool.* iii. 117, pl. 21, No. 57. *Id.* (ed. 1812), iii. 176, pl. 24.
Young, Cyclopterus pavoninus, *Davies, Shaw, Nat. Misc.* ix. 310.
Cyclopterus cœruleus, *Mitchell*, i. 480, t. 2, f. 7 (*according to Richardson*).
Sea-Owl, Hen Paidle, Cock Paidle, Hush Bagaty. *Local names.*
Var. Red Lump, Blue Lump. *Local names.*

HAB.—Coast.
Stuffed. Plymouth. Presented by Lieut. H. F. Spence, R.N.

4. LIPARIS.

Liparis, *Artedi, Descript.* 117. *Cuv. R. A*, ii. 346 (*nec Richard*).
Cyclopterus, p., *L.*

1. LIPARIS VULGARIS. Unctuous Sucker. B. M.

Cyclopterus Liparis, *Linn. Syst. Nat.* i. 414. *Bloch, Ichth.* pl. 123, f. 3. *Don. Brit. Fish.* ii. pl. 47. *Turt. Brit. Faun.* 115. *Jen. Man.* 472.
Cyclopterus (Liparis) communis, *Rich. Faun. Bor.-Amer.* 263.
Liparis ophidoides, *Swains. Lardn. Cycl. Fish.* ii. 339.
Liparis nostras, *Will. Hist. Pisc. App.* 17, tab. H. 6, f. 1.
Var. Cyclopterus musculus, *Lacép. Poiss.* iv. 683 ?
Liparis vulgaris, *Flem. Brit. An.* 190. *Yarr. Brit. Fish.* 2 ed. ii. 371. *Parn. Wern. Mem.* vii. 383. *Bonap. Pesc. Eur.* 66.*
Liparis communis, *Sabine, App. Parry's first Voyage.* 212.
Unctuous Sucker, *Penn. Brit. Zool.* iii. 119, pl. 21, No. 58. *Id.* (ed. 1812), iii. 179, pl. 24.
Liparis cyclogaster, *Eichwald.*
Le Cycloptère Liparis, *Lacép. Poiss.* ii. 69.
Sea Snail, *Willughby.*
Unctuous Lump-Sucker, *Donovan.*

HAB.—Coast.

2. LIPARIS MONTAGUI. Montagu's Sucker. B. M.

Cyclopterus Montagui, *Don. Brit. Fish.* iii. pl. 68, 1805 (Young). *Mont. in Wern. Mem.* i. 91, pl. 5, f. 1. *Jen. Man.* 473.
Cyclopterus Montacuti, *Turt. Brit. Faun.* 115.
Liparis Montagui, *Flem. Brit. An.* 190. *Yarr. Brit. Fish.* 2 ed. ii. 374. *Bonap. Pesc. Eur.* 66.*
Montagu Sucker, *Penn. Brit. Zool.* (ed. 1812), iii. 183.
Montagu's Sucking-Fish, Diminutive Sucker. *Yarrell.*

HAB.—Coast.

Sub-Order 3. MALACOPTERYGII APODA.

Malacopterygiens apodes, *Cuv. R. A.* ii. 348 (1829).
Malacopterygii apodes, *Rich. Faun. Bor.-Amer.* xii.
Apodes, *Jen. Man.* 322.
Ophisomata, *Bonap. Specchio Gen.* 10. *Pesc. Eur.* 38.*
Physostomi apodes, *Müll. Wiegm. Arch.* 1845, 136.

Fam. IX. MURÆNIDÆ.

Anguilliformes, *Cuv. R. A.* ii. 348. *Rich. Faun. Bor.-Amer.* 267.
Pentapterygii apodes, p., *Bloch, Schneid. Syst.* 44.
Dipterygii apodes et achiri, p., *Bloch, Schneid. Syst.* 60.
Pantopteres, p., *Dum. Zool. Anal.* 115.
Enchelares, p., *Planander, Anim. in Class. Pisc.* 19.
Anguillidi, *Rafin. Indice*, 37.
Anguillidæ, *Jen. Man.* 322. *Parn. Fish. Firth of Forth*, 224.
Murænidæ, *Gray, Syn. Brit. Mus.* 1842. *Swains. Lardn. Cycl. Fish.* ii. 195.
Lanceolata, *Latr. Fam. R. A.* 142.
Anguilloides, *Latr. Fam. R. A.* 142.
Murænidæ Murænini, M. Leptocephalini, *Bonap. Specchio Gen.* 10.
Anguillares, p., *Müll. Wiegm. Arch.* 1843, 328.
Murænoidei, *Müll. Wiegm. Arch.* 1845, 136.
Murænidæ Anguillini, Murænini, *Bonap. Cat. Met.* 38,* 39.*

1. ANGUILLA.

Anguilla, *Shaw, Gen. Zool.* iv. 1
Muræna, p., *Linn.*

1. ANGUILLA ACUTIROSTRIS. Sharp-nosed Eel. B. M.

Anguilla acutirostris, *Yarr. Proceed. of Zool. Soc.* 1831, 133. *Riss. Eur. Mérid.* iii. 198? *Jen. Man.* 474. *Yarr. Brit. Fish.* 2 ed. ii. 381. *Parn. Wern. Mem.* vii. 384.
Anguilla vulgaris, *Turt. Brit. Faun.* 87. *Flem. Brit. An.* 199. *Bonap. Pesc. Eur.* 38.*
Muræna Anguilla, *Bloch, Ichth.* pl. 73. *Bloch, Schneid. Syst. Ichth.* 486.
Common Eel, *Penn. Brit. Zool.* iii. 126. *Id.* (edit. 1812), iii. 191.
Sharp-headed Eel, *Yarr. in Zool. Journ.* iv. 469.

HAB.—Fresh water.

2. ANGUILLA LATIROSTRIS. Broad-nosed Eel. B. M.

Anguilla latirostris, *Yarr. in Proceed. of Zool. Soc.* 1831, 133. *Riss. Nat. de l'Eur. Mérid.* iii. 199? *Jen. Man.* 476. *Yarr. Brit. Fish.* 2 ed. ii. 396. *Parn. Wern. Mem.* vii. 387. *Bonap. Cat. Met.* 38.*
Blunt-headed Eel, *Yarr. in Zool. Journ.* iv. 469.
Grigs or Gluts, *Penn. Brit. Zool.* iii. 129.
Anguilla cloacina, *Bonap. Pesc. Eur.* 38.*
L'Anguille pimperneaux, *Cuv. R. A.* ii. 349.

HAB.—Fresh water.

3. ANGUILLA MEDIOROSTRIS. Snig Eel.

Anguilla mediorostris, *Jen. Man.* 477. *Yarr. Brit. Fish*, 2 ed. ii. 399. *Bonap. Pesc. Eur.* 38.*
Snig Eel, *Yarr. in Jesse's Glean. of Nat. Hist.* 75, 76 (2nd series).
The Snig, *Yarrell.*
Silver and Yellow Eel? *Worcestershire.*

HAB.—Fresh water.

2. CONGER.

Conger, *Cuv. R. A.* ii.
Echelus, p., *Rafin.*
Anguilla, p., *Shaw.*
Muræna, p., *Linn.*

1. CONGER VULGARIS. Conger Eel. B. M.

Anguilla Conger, *Shaw, Gen. Zool.* iv. 20, pt. 1, pl. 1. *Turt. Brit. Faun.* 87. *Flem. Brit. An.* 200. *Jen. Man.* 478.
Conger vulgaris, *Yarr. Brit. Fish.* 2 ed. ii. 402. *Parn. Wern. Mem.* vii. 388. *Bonap. Pesc. Eur.* 38.*
Muræna Conger, *Linn. Syst. Nat.* i. 426. *Bloch, Ichth.* pl. 155. *Bloch, Schneid. Syst. Ichth.* 487. *Lacép. Poiss.* ii. 268. *Don. Brit. Fish.* v. *pl.* 119.
Conger verus, *Risso, Eur. Mer.* iii.
Echelus gruncus, *Rafin. Caratt.* 65, t. 17, f. 2.
Conger, *Will. Hist. Pisc.* iii. tab. G. 6. *Penn. Brit. Zool.* iii. 130. *Id.* (ed. 1812), iii. 196. *Yarr. in Proceed. of Zool. Soc.* (1831), 158.

HAB.—Coast.

2. CONGER MYRUS.

Anguilla Myrus, *Shaw, Gen. Zool.* iv. 24, pt. 1. *Turt. Brit. Faun.* 87. *Flem. Brit. An.* 200. *Jen. Man.* 478.
Muræna Myrus, *Linn. Syst. Nat.* i. 426. *Berkenh. Syn.* i. 64.
Conger Myrus, *Cuv. R. A.* ii. 350.
Echelus punctatus, *Rafin. Caratt.* 65, t. 17, f. 1.

HAB.—Coast (very doubtful).

3. OPHISURUS.

Ophisurus, *Lacép. Poiss.* ii. 195 (1800).
Ophis, *Turt. Brit. Faun.* 82 (1807).
Muræna, p., *Linn.*

1. OPHISURUS OPHIS.

Ophisurus Ophis, *Lacép. Poiss.* ii. 196. *Flem. Brit. An.* 200. *Jen. Man.* 479.
Muræna Ophis, *Linn. Syst. Nat.* i. 425. *Bloch, Ichth.* pl. 154. *Berkenh. Syn.* i. 64.
Ophis maculata, *Turt. Brit. Faun.* 87.

HAB.—Ocean (a doubtful native), *Berkenhout, Turton.*

2. OPHISURUS SERPENS.

Ophisurus Serpens, *Lacép. Hist. Nat. des Poiss.* ii. 198. *Jen. Man.* 479. *Bonap. Pesc. Eur.* 39.*
Muræna Serpens, *Linn. Syst. Nat.* i. 425.
Serpens marinus, *Merr. Pinax*, 185. *Sibb. Scot. Illust.* ii. 23, pt. 2.

HAB.—Coast (a doubtful native).

4. MURÆNOPHIS.

Muræna, p., *L.*
Gymnothorax, p., *Bloch.*
Murænophis, *Lacép. Poiss.* v. 627.

1. MURÆNOPHIS HELENA. Roman Muræna.

Muræna Helena, *Linn. Syst. Nat.* i. 425. *Bloch, Ichth.* pl. 153. *Cuv. R. A.* ii. 252. *Jen. Man.* 479. *Yarr. Brit. Fish.* 2 ed. ii. 406.
Murænophis helena, *Lacép. Poiss.* v. 631.
Muræna, *Will. Hist. Pisc.* 103, tab. G. 1.
Gymnothorax muræna, *Bloch, Schneid.* 525.
Muræna variegata, *Rafin. Pesc. Eur.* 67, t. 15, f. 1.
Muræna fulva, *Risso, Eur. Mer.* iii.
Muræna guttata, *Risso, Eur. Mer.* iii.
Muræna punctata, *Rafin. Caratt.* 680, t. 15, f. 2.
Roman Muræna, *Shaw, Gen. Zool.* iv. 26, pt. 1, pl. 2.

HAB.—Coast (a doubtful native).

Fam. X. GYMNOTIDÆ.

Gymnotidæ, *Gray, Syn. Brit. Mus.* 1842, 150.
Ophidini, p., *Müll. Wiegm. Arch.* 1843, 329.
Anguilliformes, p., *Cuv. R. A.* ii. 348.
Anguillidæ, p., *Jen. Man.* 322.
Leptocephalidæ, p., *Bonap. Pesc. Eur.* 40.*
Ammodytidæ, p., *Bonap. Pesc. Eur.* 40.*

1. LEPTOCEPHALUS.

Leptocephalus, *Gronov. Zooph.* 135, (1763).
Ophidium, p., *Couch.*
Pterurus, *Rafin.*

1. Leptocephalus Morrisii. Anglesea Morris. B. M.

Leptocephalus, *Gronov. Zooph.* 135, sp. 410, t. 13, f. 3 (1763).
Leptocephalus Morrisii, *Gmel. Linn.* i. 1150, pt. 3. *Turt. Brit. Faun.* 88 ("Morissii"). *Mont. Wern. Mem.* ii. 436, pl. 22, f. 1. *Leach in Zool. Misc.* iii. 10, pl. 126. *Flem. Brit. An.* 200. *Deere, Loud. Mag. Nat. Hist.* vi. 330, 331. *Jen. Man.* 480. *Yarr. Brit. Fish.* 2 ed. ii. 409.
Leptocephalus Morisii, *Cuv. R. A.* ii. 359.
Leptocephalus Morrisianus, *Lacép. Poiss.* ii. 143.
Ophidium pellucidum, *Couch, Loud. Mag. Nat. Hist.* v. 313 & 742.
Leptocephalus Spallanzani, *Risso, Hist.* iii. 205?
Leptocephalus candidissimus, *Costa.*
Anglesea Morris, *Penn. Brit. Zool.* iii. 139, pl. 25, No. 67. *Id.* (ed. 1812), iii. 212, pl. 28.

Hab.—Coast.
Bridgewater. Presented by J. Anstice, Esq.

2. AMMODYTES.

Ammodytes, *Linn.*

1. Ammodytes Tobianus. Wide-mouthed Launce. B. M.

Ammodytes Tobianus, *Bloch, Ichth.* pl. 75, f. 2. *Bloch, Schneid. Syst. Ichth.* 493. *Turt. Brit. Faun.* 87. *Cuv. R. A.* ii. 360. *Jen. Man.* 482. *Yarr. Brit. Fish.* 2 ed. ii. 424. *Parn. Wern. Mem.* vii. 390.
Ammodytes lanceolatus, *Lesauvage, in Bull. des Sci. Nat.* (1825), iv. 262.
Ammodytes Anglorum, verus, *Jago, in Ray's Syn. Pisc.* 165, pl. 2, f. 12.
Great Lant, Sand-eel. *Cornwall.*
Horners. *Edinburgh.*

Hab.—Coast.

2. AMMODYTES ALLICIENS. Small-mouthed Launce.

Ammodytes lancea, *Cuv. R. A.* ii. 360. *Jen. Man.* 483. *Yarr. Brit. Fish.* 2 ed. ii. 429. *Parn. Wern. Mem.* vii. 391.
Ammodytes Tobianus, *Don. Brit. Fish.* ii. pl. 33. *Swains. Zool. Illust.* i. pl. 63, upper fig. *Lesauv. in Bull. des Sci. Nat.* (1825), iv. 262. *Flem. Brit. An.* 201.
Ammodytes alliciens, *Lacép. Poiss.* ii. 274.
Ammodytes, *Will. Hist. Pisc.* 113.
Sand Launce, *Penn. Brit. Zool.* iii. pl. 25, No. 66, but not p. 137 (ed. 1812), iii. 206, pl. 28, fig.
The Riggle. *Sussex Coast.*
Lant. *Cornwall.*

HAB.—Coast.

Order III. PLECTOGNATHI.

Plectognathes, *Cuv. Règ. An.* ii. 364, 1829.
Plectognathi, *Bonap. Specchio Gen.* 10. *Gray, Syn. B. M.* 1842, 150. *Müller in Wiegm. Arch.* 1845, 137.
Plectognathii, *Rich. Faun. Bor.-Amer.* 12.
Branchiostegi, p., *Artedi, Gen. Pisc.* 53.
Chondrodei, p., *Planander, Anim. in Class. Pisc.* 18.
Hexapterygii, p., *Bloch, Schneid. Syst. Ichth.* 53.
Pentapterygii, Apodes, p., *Bloch, Schneid. Syst. Ichth.* 57.
Ganoïdes, p., *Agassiz, Poiss. Foss.* iv. 1834.

Fam. I. DIODONTIDÆ.

Gymnodontes, *Cuv. Règ. An.* ii. 365, 1829. *Jen. Man.* 324. *Müll. Wiegm. Arch.* 1845, 137.
Gymnodonta, *Latr. Fam. R. A.* 115.
Osteodermes, p., *Dum. Zool. Anal.* 109, 1806.
Diodontidæ, *Gray. Syn. Brit. Mus.* 1842, 150.
Tetraodontidæ, p., *Bonap. Pesc. Eur.* 87.*
Orthagoriscidæ, p., *Bonap. Pesc. Eur.* 87.*

1. TETRAODON.

Tetraodon, *Artedi.*
Tetrodon, *Linn.*
Lagocephalus, *Swains. Lardn. Cycl. Fish.* ii. 328.

1. Tetraodon Pennantii. Stellated Globe-Fish.

Tetrodon stellatus, *Don. Brit. Fish.* iii. pl. 66. (nec *Auct.*) *Turt. Brit. Faun.* 116. *Flem. Brit. An.* 174. *Jen. Man.* 489.
Tetraodon lævigatus, Globe Diodon, *Penn. Brit. Zool.* iii. 132, pl. 20. (nec *L.*)
Tetrodon lagocephalus? Globe Tetrodon, *Penn. Brit. Zool.* (edit. 1812), iii. 174, pl. 23. (nec *L.*)
Lagocephalus Pennantii, *Swains. Lardn. Cycl. Fish.* ii. 328. *Bonap. Icon. Faun. Ital.* iii. t. f. 2. *Bonap. Pesc. Eur.* 87.*

Tetrodon Pennantii, Pennant's Globe-Fish, *Yarr. Brit. Fish.* 2 ed. ii. 457.
Tetraodon bicolor, *Durazzo, Bonap.*
Diodon reticulatus, *L. Lowe, Syn. Fish. Madeira?*
Stellated Globe-Fish, *Donovan.*
Crop-Fish. *Local name.*

Hab.—Coast (accidental visitor).

2. ORTHRAGORISCUS.

Orthragoriscus, *Schneid. Bloch, Syst. Ichth.* 510.
Orthagoriscus, *Auct.*
Tetraodon, p., *L.*
Diodon, p., *Bloch.*
Cephalus, p., *Shaw.*
Gastrophysus, p., *Müll. Wiegm. Arch.* 1843, 330.
Mola, p., *Nardo. Bonap. Pesc. Eur.* 87.*
Ranzania, p., *Nardo. Bonap. Pesc. Eur.* 88.*
Orthragus, *Rafin.*

1. Orthragoriscus mola. Short Sun-Fish. B. M.

Orthragoriscus mola, *Bloch, Schneid. Syst. Ichth.* 510.
Orthagoriscus mola, *Flem. Brit. An.* 175. *Jen. Man.* 490. *Yarr. Brit. Fish.* 2 ed. ii. 462. *Parn. Wern. Mem.* vii. 401.
Mola Salviani, *Will. Hist. Pisc.* 151, t. I. 26.
Cephalus orthagoriscus, *Risso, Eur. Mer.* iii.
Tetrodon mola, *Linn. Syst. Nat.* i. 412. *Don. Brit. Fish.* ii. 25.
Diodon mola, *Bloch, Ichth.* pl. 128.
Le Tetrodon Lune, *Lacép. Poiss.* i. 509.
Cephalus brevis, *Shaw, Gen. Zool.* v. 437, pt. 2, pl. 175. *Neill, Wern. Mem.* i. 546. *Turt. Brit. Faun.* 116.
"Mola luna, *Nardo.*" *Bonap.*
Mola aspera, *Bonap. Pesc. Eur.* 87.*
Sun-Fish, *Borl. Cornw.* 267, pl. 26, f. 6.
Short Diodon, *Penn. Brit. Zool.* iii. 131, pl. 19.
Short Tetrodon, *Penn. Brit. Zool.* (ed. 1812) iii. 172, pl. 22.

Hab.—Coast (occasional visitant).
Chesil Bank, Portland Bay. Presented by Major Parlby and John Fox, Esq.

2. ORTHRAGORISCUS OBLONGUS. Oblong Sun-Fish.

Orthragoriscus oblongus, *Bloch, Schneid. Syst. Ichth.* 511.
Orthagoriscus oblongus, *Jen. Man.* 491. *Yarr. Brit. Fish.* 2 ed. ii. 469. (*Fig. copied from Donovan*).
Orthagoriscus truncatus, *Flem. Brit. An.* 175. *Jen. Cat. of Brit. Vert. An.* 31, sp. 181.
Orthragus oblongus, *Rafin. Indice.*
Tetrodon truncatus, *Gmel. Linn.* i. 1448, pt. 3, *Don. Brit. Fish.* ii. pl. 41.
Cephalus oblongus, *Shaw, Gen. Zool.* v. 439, pt. 2, pl. 176. *Turt. Brit. Faun.* 116. *Swains. Lardn. Cycl. Fish.* ii. 330.
Gastrophysus oblongus, *Müll. Wiegm. Arch.* 1843, 330.
Ranzania oblonga, *Nardo. Bonap.*
Sun-Fish from Mount's Bay, *Borl. Cornw.* 268, pl. 26, f. 7.
Oblong Diodon, *Penn. Brit. Zool.* iii. 113, pl. 19.
Oblong Tetrodon, *Penn. Brit. Zool.* (ed. 1812) iii. 170, pl. 22.
Truncated Sun-Fish, *Donovan.*

HAB.—Coast (occasional visitor).

Fam. II. BALISTIDÆ.

Scleroderines, p., *Cuv. R. A.* ii. 371, 1829.
Scleroderma, p., *Latr. Fam. R. A.* 115.
Chismopnes, p., *Dum. Zool. Anal.* 105, 1806.
Sclerodermi, p., *Jen. Man.* 325. *Bonap. Specchio Gen.* 10.
Balistidæ, *Gray, Syn. Brit. Mus.* 1842, 150. *Swains. Lardn. Cycl. Fish.* ii. 193.
Balistidæ, Balistini, *Bonap. Pesc. Eur.*
Balistini, *Müll. Wiegm. Arch.* 1845, 137.

1. BALISTES.

Balistes, *L.*
Capriscus, *Rafin. Swains. Lardn. Cycl. Fish.*

1. BALISTES CAPRISCUS. Mediterranean File-Fish. B. M.

Balistes Capriscus, *Gmel. Linn.* i. 1471, pt. 3. *Cuv. R. A.* ii. 372. *Jen. Man.* 492. *Yarr. Brit. Fish.* 2 ed. ii. 472.
Capriscus, *Will. Hist. Pisc.* 152, t. I., 19.

Balistes maculatus, *Bloch*, t. 151.
Le Baliste Caprisque, *Lacép. Hist. Nat. Poiss.* i. 372.
Balistes vetula, *Risso*, *Eur. Mer.* iii.?
Balistes buniva, *Lacép.* v. 21?
Capriscus porcus, *Rafin. Indice.*
Capriscus Rondelettii, *Swains. Lardn. Cycl. Fish.* ii. 326.
Mediterranean File-Fish, *Shaw*, *Gen. Zool.* v. 411, pt. 2, pl. 168.*
Pesce balestra, *Italian.*

HAB.—Coast (accidental visitor).
Sussex, Aug. 1827.

Sub-class II. PISCES CHONDROPTERYGII.

Chondropterygii, *Artedi, Gen. Pisc.* 64, 1738.
Chondropterygiens, *Cuv. R. A.* ii. 376, 1829.
Chondrodei, *Planander, Anim. in Class. Pisc. Linn.* 17, 1803.
Cartilagines, *Swains. Lardn. Cycl. Fish.* ii. 191.
Chondropterygii or Cartilaginous Fish, *Rich. Faun. Bor.-Amer.* 12.
Cartilaginei, *Jen. Man.* 493.
Ganoidei, p., Elasmobranchii, p., Marsipobranchii, p., Leptocardii, p., *Müll. Wiegm. Arch.* 1845, 137.
Chondropterygia, *Gray, Syn. Brit. Mus.* 1842, 150.

Sub-order 1. ELEUTHEROPOMI.

Eleutheropomi, *Rich. Faun. Bor.-Amer.* 12. *Jen. Man.* 326. *Parn. Fish. Firth of Forth.* 243. *Gray, Cat. Cart. Fish.* 3.
Eleutheropomes, p., *Dum. Zool. Anal.* 105, 1806.
Chismopnes, p., *Dum. Zool. Anal.* p. 105, 1806.
Sturioniens ou Chondropterygiens à branchies libres, *Cuv. R. A.* ii. 378, 1829.

Fam. I. ACIPENSERIDÆ.

Heptapterygii, Abdominales, p., *Bloch, Schneid. Syst. Ichth.* 46.
Acipenseridæ, *Gray, Syn. Brit. Mus.* 1842, 2. *Cat. Cart. Fish.* 4. *Bonap. Specchio Gen.* 8.
Sturionidi, *Rafin. Indice*, 40.
Sturionii, Gymnorhynci, *Latr. Fam. R. A.* 113, 114, 1826.
Sturionideæ, *Rich. Faun. Bor.-Amer.* 12.
Sturionidæ, *Swains. Lardn. Cycl. Fish.* ii. 193.
Micrognathi, *Bonap. Specchio Gen.* 8.
Sturiones, *Bonap. l. c.* 8.
Ganoïdes, p., *Agassiz, Poiss. Foss.*
Chondrostei, Acipenserini, *Müll. Wiegm. Arch.* 1845, 137.

1. ACIPENSER.

Acipenser, *L.*
Sturio, *Fitz.*

1. ACIPENSER STURIO. Common Sturgeon. B. M.

Acipenser Sturio, *Linn. Syst. Nat.* i. 403. *Bloch, Ichth.* 88. *Bloch, Schneid. Syst. Ichth.* 347. *Turt. Brit. Faun.* 114. *Don. Brit. Fish.* iii. pl. 65. *Flem. Brit. An.* 173. *Jen. Man.* 493. *Yarr. Brit. Fish.* 2 ed. ii. 475. *Bonap. Icon. Faun. Ital.* iii. 87, t. f. 1. *Parn. Wern. Mem.* vii. 403. *Gray, Cat. Cart. Fish. B. M.* 13.
Sturio, The Sturgeon, *Will. Hist. Pisc.* 239, t. P, 7, f. 3.
Sturgeon, *Penn. Brit. Zool.* iii. 109, pl. 19, n. 53.
Common Sturgeon, *Penn.* (ed. 1812), iii. 164, pl. 22.
L'Acipensere Esturgeon, *Lacép. Poiss.* i. 411, pl. 20, f. 1.

HAB.—Coast and Rivers.
River Thames.

2. ACIPENSER LATIROSTRIS. Broad-nosed Sturgeon.

Acipenser latirostris, *Parn. Trans. R. S. E.* xiv. pl. 4. *Parn. Wern. Mem.* vii. 405, pl. 39. *Yarr. Brit. Fish.* 2 ed. ii. 479. *Gray. Cat. Cart. Fish. B. M.* 15.
Acipenser Sturio, sen.? *Bonap. Cat. Met.* 21.*

HAB.—Coast. (Firth of Forth.)

3. ACIPENSER HUSO. Isinglass Sturgeon.

Acipenser huso, *Linn. Syst. Nat.* i. 404. *Thomp. Ann. & Mag. Nat. Hist.* xvi. 213, 1845, 1847, 172.
Huso ichthyocolla, *Bonap. Cat. Met.* 22.*

HAB.—Danube (a doubtful native).
Coast of Cork. *J. Humphreys.*

Fam. II. CHIMÆRIDÆ.

Chimæridæ, *Swains. Lardn. Cycl. Fish.* ii. 193.
Chimeridæ, *Gray, Syn. Brit. Mus.* 1842, 150.
Acanthorhina, *Latr. Fam. R. A.* iii. 1826.
Acanthorrhini, *Jen. Man.* 326.
Holocephala, Chimæridæ, *Bonap. Specchio Gen.* 7.
Holocephali, *Müll. Wiegm. Arch.* 1845, 137.

1. CHIMÆRA.

Chimæra, *Linn.*

1. CHIMÆRA MONSTROSA. Northern Chimæra.

Chimæra monstrosa, *Linn. Syst. Nat.* i. 401. *Bloch, Ichth.* pl. 124. *Bloch, Schneid. Syst. Ichth.* 349. *Turt. Brit. Faun.* 114. *Don. Brit. Fish.* v. 111. *Flem. Brit. An.* 172. *Bonap. Faun. Ital.* iii. 88, t. *Cuv. R. A.* ii. 382. *Jen. Man.* 494. *Yarr. Brit. Fish.* 2 ed. ii. 483, ♂, (*Copied from Dronthiem, Gesellsch. Schrift.*) 485, ♀ (*Copied from Bonap.*).
Galeus Acanthias Clusii, *Will. Hist. Pisc.* 57, t. B. 9, f. 6.
Diplanchias nasus, *Rafin.?*
Chimæra mediterranea, *Risso, Hist. Nat.* iii. 168.
Northern Chimæra, *Penn. Brit. Zool.* (ed. 1812), iii. *159.
Sea Monster, *Shaw, Zool.* v. t. 157.
La Chimère arctique, *Lacép. Poiss.* i. 392, pl. 19, f. 1.
King of the Herrings. *Local name.*
Rabbit-Fish. *Zetland.*
HAB.—Northern Ocean.

Sub-order II. TREMATOPNEI.

Chondropterygiens à branchies fixes, *Cuv. R. A.* 383, 1829.
Trematopnes, *Dum. Zool. Anal.* 101, 1806.
Trematopneontes, *Rich. Faun. Bor.-Amer.* 12.
Ichtyodera, *Geoff. St. Hil. Latr. Fam. R. A.* 107, 1826.
Trematopnei, *Gray, Cat. Cart. Fish. B. M.* 22.

Sub-section 1. SQUALI.

Selaciens, *Cuv. R. A.* ii. 383, 1829.
Selachii, *Rich. Faun. Bor.-Amer.* 12.
Plagiostomes, *Dum. Zool. Anal.* 102, 1806.
Selacii, *Latr. Fam. R. A.* 108, 1825.
Proctopodes, *Blainv. Faun. Franc.* ii. 10.
Plagiostomi, *Jen. Man.* 327. *Parn. Fish. Firth of Forth*, 247.
Octopterygii abdominales, p., *Bloch, Schneid. Syst. Ichth.* 32.
Heptapterygii abdominales, p., *Bloch, Schneid. Syst. Ichth.* 46.
Chondrotteri, *Rafin. Indice*, 44.

Platosomi, *Rafin. Indice*, 47.
Selacha, *Bonap. Specchio Gen.* 7, 1845.
Placoïdes, *Agassiz, Poiss. Foss.* iii. 1833.
Elasmobranchii s. Selachii, *Müll. Wiegm. Arch.* 1845, 137.
Squalidæ, *Bonap. Specchio Gen.* 7. *Gray, Syn. Brit. Mus.* 1842, 150.
Squali, *Gray, Cat. Cart. Fish. B. M.* 24.

Fam. I. SCYLLIADÆ.

Scylliadæ, *Gray, Cat. Cart. Fish. B. M.* 27.
Squali, § 1, Scyllia, *Müll. & Henle.*

1. SCYLLIUM.

Scyllium, *Cuv. Règ. An.* ii. 386. *Müll. & Henle*, 3.
Squalus, p., *Linn.*
Scylliorhinus, p., *Blainv. Faune Fr.*

1. SCYLLIUM CANICULA. Little Spotted Dog-Fish. B. M.

Squalus Canicula, *Linn. Syst. Nat.* i. 399. *Jen. Man.* 495.
Squalus caniculus, *Risso, Eur. Mér.* iii. 116.
Squalus Catulus, *Bloch, Ichth.* pl. 114. *Bloch, Schneid. Syst. Ichth.* 127. *Don. Brit. Fish.* iii. pl. 55. *Blainv. Faune Fr.* 69, pl. 17, f. 1.
Squalus conductus, *Osbeck, It.* 70.
Scyllium Catulus (*Bounce or Morgay*), *Flem. Brit. An.* 165 (Male).
Scyllium stellare, *Flem. Brit. An.* 165 (female).
Scylliorhinus catulus, *Blainv. Faune Fr.* 69.
Scyllium Canicula, *Bonap. Icon. Faun. Ital.* iii. 39, t. f. 1. *Cat. Met.* 19.* *Müll. & Henle, Plagiost.* 6. *Yarr. Brit. Fish.* 2 ed. ii. 487. *Parn. Wern. Mem.* vii. 407.
Scyllium caniculum, *Gray, Cat. Cart. Fish. B. M.* 29.
Catulus major vulgaris, *Will. Hist. Pisc.* 62, tab. B. 4. f. 1.
Catulus minor, *Willughby*, 64 ?
Lesser Spotted Dog-Fish (Male), and Spotted Dog-fish (Fem.), *Penn. Brit. Zool.* iii. 101 & 99, pl. 15.
Lesser Spotted Shark (male), and Spotted Shark (Fem.), *Penn.* (ed. 1812), iii. 150 & 148, pl. 19.
Le Squale Roussette, *Lacép. Poiss.* i. 221.
Rough, Row-hound. *Cornwall.*

HAB.—Coast.
Cornwall. Presented by W. P. Cocks, Esq.

2. SCYLLIUM CATULUS. Large Spotted Dog-Fish. B. M.

Squalus stellaris, *Linn. Syst. Nat.* i. 399. *Blainv. Faune Fr.* 71, pl. 17, f. 2. *Jen. Man.* 496.
Scyllium stellare, *Bonap. Icon. Faun. Ital.* iii. t. f. 2. *Cat. Met.* 19.*
Scylliorhinus stellaris, *Blainv. Faune Fr.*
Catulus maximus, *Will. Hist. Pisc.* 63?
Spotted Dog-Fish, var., *Penn. Brit. Zool.* iii. 100. *Id.* (ed. 1812) iii. 150.
Rock Shark, *Shaw, Gen. Zool.* v. 336, pt. 2.
Le Squale Rochier, *Lacép. Poiss.* i. 233.
Scyllium catulus, *Cuv. Règ. An.* ii. 386. *Müll. & Henle, Plagiost.* 9. *Yarr. Brit. Fish.* 2 ed. ii. 493. *Parn. Wern. Mem.* vii. 410. *Gray, Cat. Cart. Fish. B. M.* 30.
Large Spotted Dog-Fish. *Yarrell.*
Bounce, Nurse-hound. *Local names.*

HAB.—Coast.
Cornwall. Presented by W. P. Cocks, Esq.

2. PRISTIDURUS.

Pristidurus, *Bonap. Selac. Tab. Anal.* 14, 1838. *Gray, Cat. Cart. Fish. B. M.* 32.
Pristiurus, "*Bonap.*", *Müll. & Henle*, 15.
Squalus, p., *Otto.*
Scyllium, p., *Risso.*
Scylliorhinus, p., *Blainv.*

1. PRISTIDURUS MELANOSTOMUS. Black Mouthed Shark.

Scyllium melanostomum, *Bonap. Icon. Faun. Ital.* iii. *Jen. Man.* 497.
Galeus melastomus, *Rafin. Caratt.* 13.
Scylliorhinus Delarochianus, *Blainv. Faune Fr.* 74.
Scylliorhinus melastomus, *Blainv. Faune Fr.* 75.
Scyllium Artedi, *Risso, Hist. Nat.* iii. 117.
Squalus prionurus, *Otto. Consp.* 5.
Squalus annulatus, *Nilss. Prod. Ichth. Scand.* 114.
Black Mouthed Dog-Fish, *Yarr. Brit. Fish.* 2 ed. ii. 495.
Pristiurus melanostomus, *Müll. & Henle, Plagiost.* 15. *Bonap. Cat. Met.* 19.*

Pristidurus melanostomum, *Bonap. Selac. Tab. Anal.* 11.
Eyed Dog-Fish. *Cornwall.*

Hab.—Coast.

Fam. II. SQUALIDÆ.

Squalidæ, *Gray, Cat. Cart. Fish. B. M.* 39.
Squali, § 2, 3, 4, *Müll. & Henle, Plag.* 28.

1. SQUALUS.

Carcharias, *Rafin. Caratt.* 10. *Cuv. R. A.* ii. 387.
Squalus, p., *Linn.*
Cynocephalus, *Klein, Misc.* iii. 5.
Carcharinus, p., *Blainv.*
Prionodon, p., *Müll. & Henle.*
Squalus, *Gray, Cat. Cart. Fish. B. M.* 41.

1. Squalus glaucus. Blue Shark. B. M.

Squalus glaucus, *Linn. Syst. Nat.* i. 401. *Bloch, Ichth.* pl. 86. *Bloch, Schneid. Syst. Ichth.* 131. *Turt. Brit. Faun.* 113. *Jen. Man.* 499. *Bonap. Icon. Faun. Ital.* iii. 140, t. f. 2. *Cat. Met.* 18.*
Squalus platyrynchus, *Walb. Artedi, Gen. Pisc.* 521.
Le Squale glauque, *Lacép. Poiss.* i. 213.
Squalus (Carcharinus) cæruleus, *Blainv. Faune Fr.* i. 90.
Squalus (Carcharinus) glaucus, *Blainv. Faune Fr.* i. 92, t. 23. *Gray, Cat. Cart. Fish. B. M.* 44.
Galeus glaucus, *Will. Hist. Pisc.* 49.
Carcharias (Prionodon) glaucus, *Müll. & Henle, Plagiost.* ii. 36, t.
Carcharias glaucus, *Flem. Brit. An.* 167. *Yarr. Brit. Fish.* 2 ed. ii. 498.
Blue Shark, *Watson, Phil. Trans.* 68—789, t. 12 (1778). *Penn. Brit. Zool.* iii. 95. *Id.* (ed. 1812), iii. 143.

Hab.—Coast.

2. Squalus Carcharias. White Shark.

Squalus Carcharias, *Linn. Syst. Nat.* i. 400. *Turt. Brit. Faun.* 113. *Blainv. Faune Fr.* 89. *Jen. Man.* 497.
Canis Carcharias, *Will. Hist. Pisc.* 47?

Le Squale Requin, *Lacép. Poiss.* i. 169, t. 8. f. 1.
Carcharias vulgaris, *Flem. Brit. An.* 167. *Yarr. Brit. Fish.* 2 ed. 502, (*fig. copied from Belon*).
White Shark, *Penn. Brit. Zool.* iii. 93. *Id.* (ed. 1812), iii. 139. *Lowe, Faun. Orc.* 174.
Var. Rashleigh Shark, *Couch, in Linn. Trans.* xiv. 91. *Jen. Man.* 507.

Hab.—Coast (occasional visitor).

2. SPHYRNIAS.

Sphyrnias, *Rafin. Anal. Nat.* 93, (1815).
Sphyrna, *Rafin. Ind.* 46.
Zygæna, *Cuv. R. A.* ii. 393 (nec *Fabr.*)
Squalus, p., *Linn.*

1. Sphyrnias zygæna. Hammer-headed Shark.

Zygæna Malleus, *Val. Mém. Mus.* (1832), ix. 223, pl. ii. f. 1. *Risso, Eur. Mér.* iii. 125. *Cuv. R. A.* ii. 393. *Paget, Nat. Hist. Yarmouth*, 17. *Jen. Man.* 507. *Yarr. Brit. Fish.* 2 ed. ii. 504.
Zygæna Lewisii, *Griff. An. Kingd. Fish.* t. 50.
Sphyrna Zygæna, *Rafin. Ind. Ichth. Sic.* 46. *Bonap. Icon. Faun. Ital.* iii. t. f. 1. *Müll. & Henle, Plagiost.* 51.
Squalus Zygæna, *Linn. Syst. Nat.* i. 399. *Bloch, Ichth.* t. 117. *Bloch, Schneid. Syst. Ichth.* 131.
Sphyrnias Zygæna, *Gray, Cat. Cart. Fish. B. M.* 48.
Le Squale Marteau, *Lacép. Poiss.* i. 257.

Hab.—Coast (an accidental visitor).

3. GALEUS.

Galeus, *Cuv. Règ. An.* ii. 389.
Squalus, p., *Linn.*
Galeorhinus, *Blainv. Faune Fr.*
Carcharias, p., *Risso.*

1. Galeus canis. The Tope. B. M.

Squalus Galeus, *Linn. Syst. Nat.* i. 399. *Bloch, Ichth.* pl. 118. *Turt. Brit. Faun.* 112. *Blainv. Faune Fr.* 85. *Jen. Man.* 501. *Sundev. in V. Wright, Skand. Fish.* p., 185, t. 45.

Canis Galeus, *Will. Hist. Pisc.* 51, tab. B. 6, f. 1.
Galeorhinus galeus, *Blainv. Faune Fr.* i. 83.
Galeus vulgaris, *Flem. Brit. An.* 165. *Yarr. Brit. Fish.* 2 ed. ii. 509. *Parn. Wern. Mem.* vii. 414.
Galeus canis, *Bonap. Icon. Faun. Ital.* iii. t. f. *Müll. & Henle, Plagiost.* 57. *Gray, Cat. Cart. Fish. B. M.* 52.
Tope, *Penn. Brit. Zool.* iii. 98. *Id.* (edit. 1812), iii. 146, but not pl. 18.
Galeus Nilssoni, *Bonap. Cat. Met.* 19.*?
Le Squale Milandre, *Lacép. Poiss.* i. 237.
Penny Dog. *Hastings.*
Miller's Dog. *Cornwall.*
Hab.—Coast.
Skins and in spirits. Firth of Forth. Mus. Leach. English Coast.

4. MUSTELUS.

Mustelus, *Cuv. Règ. An.* ii. 389. *Müll. & Henle*, 64.
Squalus, p., *Linn.*
Galeus, p., *Rafin.*
Galeorhinus, *Blainv. Faune Fr.*

1. Mustelus vulgaris. Smooth Hound. B. M.

Squalus mustelus, *Linn. Syst. Nat.* i. 400. *Bloch, Schneid. Syst. Ichth.* 128. *Turt. Brit. Faun.* 112. *Leach, Wern. Mem.* ii. 63. *Blainv. Faune Fr.* 81, pl. 20, f. 1. *Jen. Man.* 502.
Mustelus lævis, *Will. Hist. Pisc.* 60, tab. B. 5, f. 2. *Flem. Brit. An.* 166. *Yarr. Brit. Fish.* 2 ed. ii. 512. *Parn. Wern. Mem.* vii. 416.
Galeorhinus hinnulus, *Blainv. Faune Fr.* i. 83, var.
Galeorhinus lævis, *Blainv. Faune Fr.* i. 84.
Galeus Mustelus, *Leach, Wern. Mem.* ii. 63, pl. 2, f. 3.
Mustelus plebejus, *Bonap. Icon. Faun. Ital.* iii. 43, t. f. 1. *Cat. Met.* 19.*
Mustelus vulgaris, *Müll. & Henle, Plagiost.* 64. *Gray, Cat. Cart. Fish. B. M.* 56.
Le Squale Emissole, *Lacép. Poiss.* i. 242.
Smooth Hound, *Penn. Brit. Zool.* iii. 102, pl. 16 (Smooth Shark).
Smooth Shark, *Penn.* (ed. 1812), iii. 151.
"Tope Shark," *Penn.* pl. 18.

Skate-toothed Shark. *Local name.*
Murloch. *Scotland.*
Ray Mouthed Hound. *Cornwall.*

HAB.—Coast.
In spirits. Berwick on Tweed. Presented by Dr. George Johnston.

5. ISURUS.

Isurus, *Rafin. Caratt.* 11 (1810). *Gray, Cat. Cart. Fish. B. M.* 58.
Lamna, *Cuv. R. A.* ii. 388 (1817).
Squalus, p., *Gmel.*
Lamia, *Risso, Eur. Mér.*
Carcharhinus, *Blainv. Faune Fr.*
Lamna and Selanonius, *Flem. Brit. An.* 168, 169.

1. ISURUS CORNUBICUS. Porbeagle Shark. B. M.

Squalus Cornubicus, *Gmel. Syst. Nat.* i. 1497, pt. 3. *Bloch, Schneid. Syst. Ichth.* 132. *Turt. Brit. Faun.* 113. *Don. Brit. Fish.* v. pl. 108. *Neill in Wern. Mem.* i. 549. *Blainv. Faune Fr.* 96, pl. 14, f. 2? *Jen. Man.* 500. *Sundev. in Wright, Shand. Fisk.* 135, t. 30 ♀.
Squalus nasus, *Walb. Artedi*, iii. 517.
Squalus Pennanti, *Walb. Artedi*, 517.
Squalus Selanoneus, *Walker, MSS.* 1769, 155 (*quoted by Fleming*).
Squalus Selanonus, *Leach, Wern. Mem.* ii. 64, pl. 2, f. 2.
Isurus oxyrinchus, *Rafin. Caratt.* 12, t. 13, f. 1.
Isurus Spallanzani, *Rafin. Ind. Ichth. Sic.* 45.
Squalus (Carcharhinus) Lamia, *Blainv. Faune Fr.* 88.
Squalus (C.) Cornubicus, *Blainv. Faune Fr.* 96, t. 14, f. 2. *Bonap. Icon. Faun. Ital.* iii. t. f. 2?
Lamna Cornubica, *Flem. Brit. An.* 168. *Müll. & Henle, Plagiost.* 67. *Yarr. Brit. Fish.* 2 ed. ii. 515. *Parn. Wern. Mem.* vii. 413.
Squalus glaucus, *Gunner, Norsk. Vid. Selsk. Skr.* iv, 1, f.
Selanonius Walkeri, *Flem. Brit. An.* 169.
Porbeagle, *Borl. Cornw.* 265, pl. 26, f. 4. *Penn. Brit. Zool.* iii. 103. *Id.* (edit. 1812), iii. 152. *Goodenough, Linn. Trans.* iii. 80, pl. 15.
Le Squale long nez, *Lacép. Poiss.* i. 216, 389?

Var. Squalus monensis, *Shaw* (Beaumaris Shark). *Shaw, Gen. Zool.* v. 350, pt. ii. *Jen. Man.* 501.
Squalus cornubicus, β, *Gmel. Linn.* i. 1497, pt. iii. Var. 2. *Turt. Brit. Faun.* 113.
Beaumaris Shark, *Penn. Brit. Zool.* iii. 104, pl. 17. *Id.* (edit. 1812), iii. 154, pl. 20.

Hab.—Coast.
Eddystone. Presented by Lieut. H. F. Spence, R.N.
British Channel.

6. CETORHINUS.

Selache, *Cuv. R. A.* ii. 390.
Selachus, *Yarr. Brit. Fish.* ii. 518.
Cetorhinus, *Blainv. Bull. Soc. Phil.* 121 (1816), *Gray, Cat. Cart. Fish. B. M.* 61.

1. Cetorhinus maximus. Basking Shark.

Squalus maximus, *Linn. Syst. Nat.* i. 400? *Home, Phil. Trans.* (1809), 206, t. 6, f. 1. *Flem. Brit. An.* 164. *Jen. Man.* 503.
Selache maxima, *Müll. & Henle, Plag.* 71. *Bonap. Cat. Met.* 17.*
Squalus (Selache) maximus, *Rich. Faun. Bor.-Amer.* 291.
Basking Shark, *Penn. Brit. Zool.* iii. 89, pl. 13. *Id.* (edit. 1812), iii. 134, pl. 16. *Lowe, Faun. Orc.* 171. *Home, Phil. Trans.* 1809, 208.
Le Squale trés-grand, *Lacép. Poiss.* i. 209.
Cetorhinus Gunneri, C. Homianus & C. Shavianus, *Blainv. Bull. Soc. Phil.* 121.
Squalus elephas, *Lesueur, Trans. Acad. N. S. Phil.* ii. 350?
Selachus maximus, *Cuv. R. A.* ii. 390. *Yarr. Brit. Fish.* 2 ed. ii. 518. *Parn. Wern. Mem.* vii. 418.
Cetorhinus maximus, *Gray, Cat. Cart. Fish. B. M.* 61.
Sun-Fish, *Smith, Hist. of Cork*, ii. 292.
Sail-Fish. *Local names.*
Hoe-mother, Homer. *Orkney.*

Hab.—Coast.

7. ALOPIAS.

Alopias, *Rafin. Caratt.* 12 (1810).
Carcharhinus, *Blainv. Faune Fr.*
Carcharias, p., *Cuv. R. A.*
Squalus, p., *Gmel.*
Alopecias, *Müll. & Henle*, 74.

1. ALOPIAS VULPES. Long-tailed Shark, or Thresher.

Squalus vulpes, *Penn. Brit. Zool.* iii. 145. *Gmel. Linn.* i. 1496, pt. iii. *Bloch, Schneid. Syst. Ichth.* 127. *Turt. Brit. Faun.* 102. *Blainv. Faune Fr.* 94, pl. 14, f. 1. *Jen. Man.* 498.
Squalus (Carcharhinus) Vulpes, *Blainv. Faune Fr.* i. 94, t. 14, f. 1.
Vulpes marina, *Will. Hist. Pisc.* 54, tab. B. 6, f. 2.
Sea-Fox, Thresher, *Borlase, Cornwall*, 265.
Alopias macrourus, *Rafin. Caratt.* 12.
Carcharias vulpes, *Flem. Brit. An.* 167.
Alopias vulpes, *Bonap. Faun. Ital.* iii. 66, t. f. 1. *Müll. & Henle, Plagiost.* 74. *Yarr. Brit. Fish.* 2 ed. ii. 522. *Gray, Cat. Cart. Fish. B. M.* 64.
Alopias vulpes, *Swains. Lardn. Cycl. Fish.* ii. 313.
Long-tailed Shark, *Penn. Brit. Zool.* iii. 97, pl. 14. *Id.* (ed. 1812), iii. 145, pl. 17.
Le Squale Renard, *Lacép. Poiss.* i. 267.
Thresher, Sea-Fox, Sea-Ape. *Local names.*

HAB.—Coast.

8. HEXANCHUS.

Hexanchus, *Rafin. Caratt.* 14 (1810).
Squalus, p., *Gmel.*
Notidanus, *Cuv. R. A.* ii. 128 (1817).

1. HEXANCHUS GRISEUS. The Griset. B. M.

Hexanchus (griseus) *Rafin Caratt.* 14. *Müll. and Henle, Plagiost.* 80. *Gray, Cat. Cart. Fish. B. M.* 67.
" Hexanchus cinereus, *Risso, MSS.*" *Bonap.*
Notidanus griseus, *Cuv. R. A.* ii. 390. *Jon. Couch, Zool.* 1846, 1337, fig. *Bonap. Cat. Met.* 17.*
Squalus griseus, *Gmel. Syst. Nat.* i. 1491. *Bloch, Schneid.* iii. 127.
Squalus Vacca, *Bloch, Schneid. Syst.* 138.
Notidanus monge, *Risso, Eur. Mér.* iii. 129.

HAB.—Coast (occasional).
Isle of Wight. Presented by Capt. Swinburne, R.N.

9. ACANTHIAS.

Acanthias, *Risso. Müll. & Henle*, 83. *Gray, Cat. Cart. Fish. B. M.* 69.
Squalus, p., *L.*
Spinax, p., *Cuv. R. A.* ii. 391.

1. ACANTHIAS VULGARIS. Spined Dog-Fish. B. M.

Squalus Acanthias, *Linn. Syst. Nat.* i. 397. *Bloch, Ichth.* pl. 85. *Bloch, Schneid. Syst. Ichth.* 135. *Don. Brit. Fish.* iv. 82. *Turt. Brit. Faun.* 114. *Blainv. Faun. Fr.* 57. *Cuv. R. A.* ii. 392. *Jen. Man.* 505. *Sundev. in Wright, Skand. Fisk.* 187, t. 46.
Acanthias vulgaris, *Risso, Eur. Mér.* iii. 131. *Müll. & Henle, Plag.* 83. *Yarr. Brit. Fish.* 2 ed. ii. 524.
Galeus Acanthias sive Spinax, *Will. Hist. Pisc.* 56, t. B. 5, f. 1.
Squalus spinax, *Penn. Brit. Zool.* iii. 133.
Spinax Acanthias, *Flem. Brit. An.* 166. *Bonap. Faun. Ital.* iii. 44, t.
Squalus (Spinax) Acanthias, *Rich. Faun. Bor.-Amer.* 291. *Parn. Wern. Mem.* vii. 420.
Picked Dog-Fish, *Penn. Brit. Zool.* iii. 88.
Picked Shark, *Penn.* (ed. 1812), iii. 183.
Le Squale Aiguillat, *Lacép. Poiss.* i. 270.
Bone Dog. *Sussex.*
Sea Dog. *Scotland.*
Hoe. *Orkney.*
Spear Dog. *Cornwall.*

HAB.—Coast.
In spirits. Plymouth Sound. Mus. Leach.
Firth of Forth. From Dr. Parnell's collection.

10. DALATIAS.

Dalatias, *Rafin. Caratt. Gray, Cat. Cart. Fish. B. M.* 75.
Scymnus, *Cuv. R. A.* ii. 392.
Squalus, p., *Bloch, Schneid.*
Somniosus, p., *Lesueur.*
Scymnus and Læmargus, *Müll. & Henle.*

1. DALATIAS MICROCEPHALUS. Northern Shark. B. M.

Squalus borealis, *Scoresby, Arct. Reg.* i. 538, ii. pl. 15, f. 3, 4. *Jen. Man.* 506.
Squalus microcephalus, *Bloch, Schneid. Syst. Ichth.* 135, 1801.
Squalus Norwegianus, *Blainv. Faun. Fr.* 61.
Squalus glacialis, *Nilss. Prod. Ichth. Scand.* 116.
Squalus carcharias, *Gunner*, (nec *L.*). *Dronth. Gesellsch. Schrift.* ii. 330, t. 10, 11. *Müll. Prod. Zool. Dan.* 38. *O. Fabr. Faun. Gr.* 127. *Bloch, Ichth.* t. 119?
Somniosus brevipinna, *Lesueur, Journ. Acad. Sc. Phil.* i. 222.
Scymnus borealis, *Flem. Brit. An.* 166. *Yarr. Brit. Fish.* 2 ed. ii. 527.
Squalus (Scymnus) Gunneri, *Rich. Faun. Bor.-Amer.* 313.
Scymnus micropterus, *Val. Nouv. Ann. Mus.* i. 455, t. 20.
Scymnus (Læmargus) borealis, *Müll. & Henle, Plag.* 93.
Læmargus borealis, *Bonap. Cat. Met.* 16.*
Dalatias (Somniosus) borealis, *Gray. Cat. Cart. Fish. B. M.* 76.

HAB.—Coast of Scotland, (occasional visitant)
Stuffed. English Coast. Presented by Messrs. J. & C. Grove.

11. ECHINORHINUS.

Echinorhinus, *Blainv. Faun. Fr.*
Squalus, p., *Gmel. Syst. Nat.*
Scymnus, p., *Cuv. R. A.*
Goniodus, *Agassiz, Poiss. Foss.*

1. ECHINORHINUS SPINOSUS. Spinous Shark.

Echinorhinus spinosus, *Blainv. Faun. Franc. Poiss.* 66, sp. 6. *Bonap. Icon. Faun. Ital.* iii. 67, t. *Cat. Met.* 16.* *Müll. & Henle, Plag.* 96. *Yarr. Brit. Fish.* 2 ed. ii. 532. *Smith, Zoologist*, 3057.
Echinorhinus obesus, *Dr. A. Smith, Ill. Zool. South Afr.* t. 1.
Squalus spinosus, *Gmel. Syst. Nat.* i. 1500, sp. 27. *Lacép. Hist. Nat. Poiss.* i. 30, t. 3, f. 2. *Bloch, Schneid.* 136, sp. 31.
Squalus brucus, *Bonn. Enc. Meth.* 11. *Risso, Ichth.* 42, sp. 18.
Scymnus spinosus, *Risso, Eur. Mér.* iii. 136, sp. 21. *Cuv. R. A.* ii. 393.
Goniodus spinosus, *Agassiz, Poiss. Foss.* iii. t. E. f. 13.

HAB.—Coast (an occasional visitor).

Fam. III. SQUATINIDÆ.

Squatinidæ, *Gray, Cat. Cart. Fish. B. M.* 78.
Squatinini, *Bonap. Selac. Tab. Anal.* 8, p.
Squalidæ anomali, *Bonap. Selac. Tab. Anal.* 4, p.

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1. SQUATINA.

Squatinæ, *Swains. Lardn. Cycl. Fish.* ii. 193.
Squatina, *Dum. Zool. Anal.* 102.
Rhina, *Rafin. Caratt.* 14.
Squalus, p., *L.*

1. SQUATINA VULGARIS. Angel Fish. B. M.

Squatina Angelus, *Cuv. R. A.* ii. 394. *Blainv. Faune Franc.* 53. *Jen. Man.* 507. *Bonap. Icon. Faun. Ital.* iii. 147, t. f. 1. *Cat. Met.* 15.* *Yarr. Brit. Fish.* 2 ed. ii. 539. *Parn. Wern. Mem.* vii. 421. *Gray, Cat. Cart. Fish. B. M.* 79.
Squatina vulgaris, *Flem. Brit. An.* 169. *Risso, Ichth.* 45. *Müll. & Henle, Plag.* 99.
Squatina, *Will. Hist. Pisc.* 79, t. D. 3.
Squatina aculeata, *Lesueur, Journ. Acad. Sc. Phil.* i. t. 1.
Squatina lævis, *Cuv. R. A.* ii. 131.
Rhina Squatina, *Rafin. Indice*, 45.
Squalus Squatina, *Linn. Syst. Nat.* i. 398: *Bloch, Ichth.* pl. 116. *Don. Brit. Fish.* i. pl. 17. *Turt. Brit. Faun.* 114. *Shaw, Nat. Misc.* xxi. pl. 906.
Squatina Europæa, *Swains. Lardn. Cycl. Fish.* ii. 321.
Var. Squatina Dumerilii, *Lesueur, Journ. Acad. Sci. Phil.* i. 225, t. 10.
Var. Lewis, *Couch, Linn. Trans.* xiv. 90.
Angel-Fish, *Penn. Brit. Zool.* iii. 86, pl. 12.* *Borlase, Cornwall*, 265, pl. 26, f. 5.
Angel-Shark, *Penn.* (ed. 1812), iii. 130, pl. 15.
Le Squale Ange, *Lacép. Poiss.* i. 293, pl. 12, f. 1.
Monk-Fish, Shark-Ray, Fiddle-Fish, Kingston. *Local names.*
Mongrel Skate. *Firth of Forth.*
Puppy-Fish, (*Donov.*)

HAB.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N.
English Coast. Presented by — Booker, Esq.
Firth of Forth. From Dr. Parnell's collection.

Sub-section 2. RAII.

Pisces cartilaginei, plani et lati, *Ray, Syn. Pisc* 81.
Platosomia, *Rafin. Anal. Nat.* 93.
Raii, *Gray, Cat. Cart. Fish. B. M.* 81.

Fam. I. PRISTIDIDÆ.

Pristides, p., *Müll. & Henle, Plag.* 105.
Pristinæ, *Swains. Lardn. Cyc. Nat. Hist. Fish.* ii. 219.
Pristididæ, *Gray, Cat. Cart. Fish. B. M.* 87.

1. PRISTIS.

Pristis, *Latham, Müll. & Henle,* 105.
Squalus, p., *Linn.*
Pristibatis, *Blainv. Faune Fr.*

1. Pristis antiquorum. The Saw-Fish.

Pristis antiquorum, *Lath. Linn. Trans.* ii. 277, pl. 26, f. 1 (Rostrum). *Cuv. R. A.* ii. 395. *Flem. Brit. An.* 164. *Jen. Man.* 508. *Bonap. Cat. Met.* 15.* *Gray, Cat. Cart. Fish. B. M.* 89.
Squalus Pristis, *Linn. Syst. Nat.* i. 401.
Pristis serra, *Bloch, Schneid.* t. 70.
Pristis granulosa, *Bloch, Schneid.* 352.
Pristis pectinata, *Bloch, Schneid.* t. 70, f. 1.
Pristibatis antiquorum, *Blainv. Faun. Fr.* 50.

Hab.—Coast (occasional visitor).

Fam. II. RAJIDÆ.

Raidæ, *Swains. Lardn. Cycl. Fish.* ii. 192. *Gray, Cat. Cart. Fish. B. M.* 91.
Rajæ, *Müll. & Henle, Plagiost.* 103.
Rajidæ, *Bonap. Specchio Gen.* 7.
Platysoma, *Latr. Fam. R. A.* 110.
Sub-order, Rajidæ, *Müll. Wiegm. Arch.* 1845, 137.

1. TORPEDO.

Torpedo, *Dumeril.*
Raja, p., *Linn.*
Sub-fam. Torpedinæ, *Swains. Lardn. Cycl. Fish.* ii. 192.
Sub-fam. Torpedinini, *Bonap. Specchio Gen.* 7.
Fam. Torpedines, *Müll. & Henle*, 126.

1. TORPEDO MARMORATA. Electric Ray.

Raia Torpedo, *Linn. Syst. Nat.* i. 395. *Bloch, Ichth.* 122. *Don. Brit. Fish.* iii. 53. *Turt. Brit. Faun.* 110. *Blainv. Faune Fr.* 44. *Jen. Man.* 509. *Yarr. Brit. Fish.* 2 ed. ii. 542. *Müll. & Henle, Plag.* 128.
Torpedo marmorata, *Risso, Ichth.* 20, t. 3, f. 4. *Müll. & Henle, Plag.* 128. *Gray, Cat. Cart. Fish. B. M.*
Torpedo immaculata, *Rafin. Indice*, 60.
Torpedo punctata, *Rafin. Indice*, 61.
Torpedo diversicolor, *Davy, Researches*, i. 79.
Torpedo vulgaris, *Flem. Brit. An.* 169.
La Raie Torpille, *Lacép. Poiss.* i. 82.
Torpedo, *Walsh, Phil. Trans.* (1774), 464.
Torpedo Galvanii, *Risso, Ichth. Nice*, t. 3, f. 4. *Bonap. Faun. Ital.* t. , f. 3, 4, 5. *Cat. Met.* 14.
Electric Ray, *Penn. Brit. Zool.* iii. 78, pl. 10. *Id.* (edit. 1812), iii. 118, pl. 12.
The Old British Torpedo. *Yarrell.*
Common Cramp-fish, Numb-fish. *Weymouth.*
Cramp-ray, *Cornwall.*

HAB.—Coast (occasional).

2. TORPEDO NOBILIANA. Notched Electric Ray. B. M.

Torpedo nobiliana, *Bonap. Icon. Faun. Ital.* iii. 63. *Cat. Met.* 14.* *Müll. & Henle, Plag.* 128. *Yarr. Brit. Fish.* 2 ed. ii. 546. *Gray, Cat. Cart. Fish. B. M.* 100.
Torpedo marmorata, var. sex.?
"Torpedo hebetans, *Low.*" *Bonap. Cat. Met.*
Torpedo Walshii, *Thomp. Ann. Nat. Hist.* v. 292.
Torpedo emarginata, *M'Coy, Ann. Nat. Hist.* vi. 407?
The New British Torpedo. *Yarrell.*

HAB.—Coast (an occasional visitor).
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

2. RAJA.

Raja, *L.*
Fam. Rajæ, *Müll. Wiegm. Arch.* 1845, 137.

* Batis, *Bonap. Cat. Met.* 12.

1. RAJA RADULA. The Sandy Ray. B. M.

Raia spinosa, *Rondelet.* 355. *Yarr. Brit. Fish.* 2 ed. ii. 574.
Raia radula, *De la Roche, Ann. Mus.* xiii. 321. *Risso, Hist.* iii. 151, sp. 38. *Müll. & Henle, Plag.* 133. *Blainv. Faune Fr. Gray, Cat. Cart. Fish. B. M.* 105.
Batis radula, *Bonap. Pesc. Eur.* 12.*
Raja virgata, *Geoffr. St. Hil. Descr. Egypte*, 337, t. 26, f. 2, 3.
Raja circularis, the Sandy Ray, *Couch, Mag. Nat. Hist.* v. xi. 71. *Cornish Fauna*, 53.
Raia falsavela, *Bonap. Faun. Ital. Fasc.* xxvi.

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

** Dasybatis, p., *Blainv. Bonap. Cat. Met.* 12.

2. RAJA CLAVATA. Thorn-Back. B. M.

Raja clavata, *Linn. Syst. Nat.* i. 397. *Bloch, Ichth.* 83, ♀. *Bloch, Schneid. Syst. Ichth.* 366. *Jen. Man.* 516. *Ekstr. in Wright, Skand. Fisk.* 154, t. 35. *Müll. & Henle, Plag.* 135. *Yarr. Brit. Fish.* 2 ed. ii. 582. *Fries, Rai*, 15, t. 2, f. 1, t. 3, f. 1, 2, 3, 7. *Parn. Wern. Mem.* vii. 436, t. 42. *Gray, Cat. Cart. Fish. B. M.* 105.
Raia Rubus, *Bloch, Ichth.* 84, ♂.
" Raja spinosa, *Rafin.*" *Bonap. Blainv. Faune Fr.* 21.
Raia punctata, *Hollberg, Göth. Vett. Sällsk. Handb.* iv. 25, f. (jun.)
Raia clavata, *Don. Brit. Fish.* ii. pl. 26. *Turt. Brit. Faun.* 111. *Mont. in Wern. Mem.* ii. 416. *Flem. Brit. An.* 170. *Blainv. Faune Fr.* 33.
Dasybatis clavata, *Bonap. Icon. Faun. Ital.* t. f. 4. *Cat. Met.* 12.*
Thorn-Back, *Penn. Brit. Zool.* iii. 82, pl. 11, 12. *Id.* (ed. 1812), iii. 122, pl. 13, 14.
Raja aspera, *Risso, Ichth. Nice*, 5 (jun.)
La Raie bouclée, *Lacép. Poiss.* i. 128. *Cuv. R. A.* ii. 398.
Raja pontica, *Rathke, Krym.* t. 3.

Young Maidens, Maiden-Skates. *Firth of Forth.*
Var. Raia Cuvieri, *Neill, Wern. Mem.* i. 554. *Flem. Brit. An.* 172. *Jen. Man.* 518.
La Raie Cuvier, *Lacép. Poiss.* i. 141, t. 7, f. 1.
Cuvier Ray, *Penn. Brit. Zool.* (ed. 1812), iii. 124.

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.
Firth of Forth. From Dr. Parnell's collection.

3. RAJA RADIATA. Starry Ray. B. M.

Raia radiata, *Don. Brit. Fish.* v. pl. 114, ♀, 1807. *Flem. Brit. An.* 170. *Jen. Man.* 517. *Müll. & Henle, Plag.* 137. *Yarr. Brit. Fish.* 2 ed. ii. 585. *Sundev. in V. Wright, Skand. Fisk.* 100, t. 43, ♀. *Parn. Wern. Mem.* vii. 439, t. 43. *Gray, Cat. Cart. Fish. B. M.* 107.
Raia fullonica, *O. Fabr. Faun. Grœnl.* 125?
Raia eglanteria, *Lesueur, Journ. Acad. Sc. Phil.* iv. 4.
Raia clavata, *Hollberg, Göth. Süllsk. n. Hard.* iv. 29.
Dasybatis radiata, *Bonap. Cat. Met.* 13.*

HAB.—Coast.
Firth of Forth. From Dr. Parnell's collection.

4. RAJA BATIS. The Skate. B. M.

Raia Batis, *Linn. Syst. Nat.* i. 395. *Bloch, Ichth.* pl. 79. *Bloch, Schneid. Syst. Ichth.* 365. *Turt. Brit. Faun.* 110. *Flem. Brit. An.* 171. *Blainv. Faune Fr.* 13. *Jen. Man.* 510. *Bonap. Faun. Ital.* iii. 154, t. f. 1? *Müll. & Henlé, Plagiost.* 146. *Yarr. Brit. Fish.* 2 ed. ii. 561. *Gray, Cat. Cart. Fish. B. M.* 110.
Raia lævis undulata, seu cinerea, *Will. Hist. Pisc.* 69, tab. C. 5. *Ray, Syn. Pisc.* 25.
La Raie Batis, *Lacép. Poiss.* i. 35.
Var. Raia alba? *Lacép. Poiss.* v. 663, t. 21, f. 1. *Blainv. Faune Fr.* ii. 14?
Skate, *Penn. Brit. Zool.* iii. 72, pl. 9. *Id.* (ed. 1812), iii. 111, pl. 11, "Sharp-nosed Ray."
Blue Skate, Gray Skate, Dinnen Skate. *Scotland.*
Tinker. *Lyme Regis.*

HAB.—Coast.
Skins. Firth of Forth. From Dr. Parnell's collection.

*** Raia, *Bonap. Cat. Met.* 13.

5. RAJA MARGINATA. Bordered Ray. B. M.

Raia marginata, *Lacép. Poiss.* v. 663, pl. 20, f. 2. *Blainv. Faune Fr.* 19, pl. 3, f. 2. *Flem. Brit. An.* 172. *Bonap. Faun. Ital.* iii. 32. *Jen. Man.* 512. *Müll. & Henle*, 140. *Yarr. Brit. Fish.* 2 ed. ii. 564. *Gray, Cat. Cart. Fish. B. M.* 108.
Raja rostrata, *Lacép.* iv. 672 (*nec Blainv.*)
Raja rostellata, *Risso, Ichth.* 8.
Raja bicolor, *Risso, Eur. Mer.* iii. 155.

HAB.—Coast.
In spirits. Lyme Regis. Presented by the Earl of Enniskillen.

6. RAJA FULLONICA. Shagreen Ray. B. M.

Raia fullonica, *Ascan. Icon.* t. 43. *Yarr. Brit. Fish.* 2 ed. ii. 578. *Müll. & Henle, Plag.* 145. *Gray, Cat. Cart. Fish. B. M.* 110.
Raia chagrinea, *Mont. in Wern. Mem.* ii. 420, pl. 21. *Turt. Brit. Faun.* 111. *Jen. Man.* 513. *Parn. Wern. Mem.* vii. 431, t. 41.
Raja gallica, *Walb. Artedi*, iii. 533.
La Raie chardon, *Lacép. Poiss.* i. 79.
La Raie chagrinée, *Lacép. Poiss.* i. 81.
Raja aspera nostras, *Will. Hist. Pisc.* 78.
Raia granulosa, *Bloch, Schneid. Syst. Ichth.* 368.
Raia aspera, *Flem. Brit. An.* 172. *Blainv. Faune Fr.* 22?
Raja flossada, *Risso, Eur. Mer.* iii. 145.
Shagreen Ray, *Penn. Brit. Zool.* iii. 77. *Id.* (edit. 1812), iii. 117.
Rough Flapper. *Firth of Forth.*
Dun Cow. *Devonshire.*
French Ray, White Horse or White Hause. *Partly Scarborough.*

HAB.—Coast.
Firth of Forth. From Dr. Parnell's collection.

7. RAJA OXYRHYNCHUS. Homelyn or Spotted Ray. B. M.

Raja oxyrhynchus, p., *Linn. Syst. Nat.* i. 395. *Walb. Artedi*, iii. 530. *Gray, Cat. Cart. Fish. B. M.* 111.
Raia maculata, *Montagu, Wern. Mem.* ii. 426. *Jen. Man.* 514. *Parn. Wern. Mem.* vii. 434, t. 42.

Raia Rubus, *Don. Brit. Fish.* i. pl. 20. *Turt. Brit. Faun.* 111.
Raja asterias, *De la Roche, Ann. Mus.* xiii. t. 20, f. 1. *Müll. & Henle, Plag.* 139. *Gray, Cat. Cart. Fish. B. M.* 108.
Raja fullonica, *Walb. Artedi*, iii. 529.
Fuller Ray, *Penn. Brit. Zool.* iii. 86 (Syn. excl.) *Id.* (ed. 1812), iii. 116 (Syn. excl.)
Raja speculum, *Blainv. Faune Fr.* 29, t. 4, f. 1.
Raja Miraletus, p., *Linn. Syst. Nat.* i. 396. *Yarr. Brit. Fish.* 2 ed. ii. 570. *Bonap. Faun. Ital.* iii. 17, t. ? *Müll. & Henle*, 141.
Raia Miraletus, *Don. Brit. Fish.* v. pl. 103. *Turt. Brit. Faun.* 111. *Blainv. Faune Fr.* ii. 27, t. 5, f. 1. *Jen. Man.* 518. *Müll. & Henle, Plag.* 141. *Yarr. Brit. Fish.* 2 ed. ii. 570.
La Raie Miralet, *Lacép. Poiss.* i. 75.
Raia oculata (Mirror Ray), *Flem. Brit. An.* 172.
Raja biocularis, *Geoffr. St. Hil. Descr. Egypte*, t. 27, f. 2.
Raja quadrimaculata, *Risso, Eur. Mer.* iii. 150.
White Hans or Gullet. (p.) *Scarborough.*
Var. Raja mosaica, *Lacép. Poiss.* iv. 675 ?

Hab.—Coast.
Skins and in spirits. Polperro. Presented by Jonathan Couch, Esq.
British Channel.
Firth of Forth. From Dr. Parnell's collection.

8. Raja microcellata. Small-eyed Ray.

Raia microcellata, *Montagu, Wern. Mem.* ii. 430. *Flem. Brit. An.* 171. *Müll. & Henle, Plag.* 142. *Jen. Man.* 515. *M'Coy, Ann. Nat. Hist.* vi. 407. *Yarr. Brit. Fish.* 2 ed. ii. 567. *Gray, Cat. Cart. Fish. B. M.* 109.
Painted Ray. *Couch.*

Hab.—Coast.

9. Raja intermedia. The Flapper Skate. B. M.

Raia intermedia, *Parn. Proc. Roy. Soc. Edinb.* 1837, 166. *Parn. Trans. Roy. Soc. Edinb.* xiv. pl. 6. *Parn. Wern. Mem.* vii. 429, pl. 40, & pl. 41, var. *Müll. & Henle, Plagiost.* 147. *Yarr. Brit. Fish.* ii. 2 ed. 558.
"Raja macrorhynchus? *Rafin.*" *Bonap.*
Læviraja macrorhynchus, *Bonap. Cat. Met. Pesc. Eur.* 13.

Raja Vomer, *Fries?* *Gray, Cat. Cart. Fish. B. M.* 110?
The Flapper Skate. *Parnell.*

HAB.—Coast.
Skin. Firth of Forth. From Dr. Parnell's collection.
English Coast.

10. RAJA LINTEA. Sharp-nosed Ray. B. M.

Raja oxyrhynchus, *Montagu, Wern. Mem.* ii. 423. *Jen. Man.* 511. *Yarr. Brit. Fish.* 2 ed. ii. 556. *Parn. Wern. Mem.* vii. 427.
Sharp-nosed Ray, *Penn. Brit. Zool.* iii. 73. *Id.* (ed. 1812), iii. 113, but not pl. 2.
La Raie oxyrinque, *Lacép. Poiss.* i. 72 (pl. 4, f. 1?)
Raia lintea, *Fries, Ichth. Scand.* 29. *Müll. & Henle*, 147. *Gray, Cat. Cart. Fish. B. M.* 111.
Dasybatis Pennanti, *Bonap. Cat. Met.* 13.*
White Skate, Friar Skate, May Skate, Mavis Skate. *Scotland.*
Burton Skate. *Cornwall.*

HAB.—Coast.
Plymouth. Presented by Lieut. H. F. Spence, R.N.

**** Læviraja, *Bonap. Cat. Met.* 13.

11. RAJA ACUS. Long-nosed Skate.

Raia mucronata, *Yarr. Brit. Fish.* 2 ed. ii. 550.
Raia rostrata, *Risso, Ichth. Nice*, 7. *Blainv. Faune Fr.* 30.
Raia mucosissima, *Nardo, Prod. Ichth. Adr.* sp. 9.
Raja acus, *Lacép. Poiss.* v. 665?
Læviraja oxyrhynchus, *Bonap. Icon. Faun. Ital.* iii. 130. t. f. 1?
Raia vomer, *Fries, Ichth. Scand.?*

HAB.—Coast.

3. CEPHALOPTERA.

Cephaloptera, *Dumeril.*
Dicerobatis, *Blainv. Faune Fr.* ii. 40.
Pterocephalæ, *Swains. Lardn. Cycl. Fish.* ii. 321.
Raia, p., *Auct.*
Mobula, p., *Rafin.*
Fam. Cephalopteræ, *Müll. Wiegm. Arch.* 1845, 137.

1. CEPHALOPTERA GIORNA. The Horned Ray.

Cephaloptera Giorna, *Risso, Eur. Mer.* iii. 163, pl. 5. *Müll. & Henle, Plagiost.* 184. *Yarr. Brit. Fish*, 2 ed. ii. 595. *Bonap. Pesc. Eur.* 11.* *Gray, Cat. Cart. Fish. B. M.* 133.
Raia Giorna, *Jen. Man.* 519.
Pterocephala Giorna, *Swains. Lardn. Cycl. Fish.* ii. 321.
Cephaloptera Massena, *Risso, Eur. Mer.* iii. 164.
Raia (Dicerobatis) mobular, *Blainv. Faune Fr.* ii. 41.
Raja fabroniana, *Lacép. Poiss.* ii. 111?
" Mobula auriculata, *Rafin.*" *Bonap.*
Cephaloptera, sp., *Thomp. Proc. Zool. Soc.* 1835, 78. *M'Coy, Ann. & Mag. Nat. Hist.* xix. 176, 1847.

HAB.—Coast (occasional visitor).

4. MYLIOBATIS.

Myliobatis, *Dum., Cuv. R. A.* ii. 400. *Müll. & Henle, Plagiost.* 176.
Aetobatis, *Blainv. Faune Fr.* ii. 38.
Leiobatus, p., *Rafin.*
Raia, p., *Linn.*
Fam. Myliobatides, *Müll. Wiegm. Arch.* 1845, 137.

1. MYLIOBATIS AQUILA. Whip Ray.

Raja Aquila, *Linn. Syst. Nat.* i. 396? *Blainv. Faune Fr.* 38, pl. 7?
Raja Ajereba, *Walb. Artedi*, iii. 535.
Aquila Bellonii, *Willughby*, 64, c. 2.
La Raie Aigle, *Lacép. Poiss.* i. 104.
Myliobatis noctula, *Bonap. Faun. Ital. Fasc.* 2.
Myliobatis aquila, *Johnston, Proc. Berw. Nat. Club, Sept.* 1839. *Bonap. Faun. Ital. Fasc.* 2. *Müll. & Henle, Plagiost.* 176. *Yarr. Brit. Fish.* 2 ed. ii. 591. *Gray, Cat. Cart. Fish. B. M.* 128.
Myliobatis bovina, *Geoffr. St. Hil. Descr. Egypte*, 336, t. 26, f. 1?
Whip Ray, *Penn. Brit. Zool.* iii. 77. *Id.* (ed. 1812), iii. 128. *Jen. Man.* 519.
Eagle Ray. *Yarrell.*

HAB.—Coast (occasional visitor).

5. TRYGON.

Trygon, *Adanson, Cuv. R. A.* ii. 399.
Dasyatis, p., *Rafin.*
Trygonobatis, *Blainv. Faune Fr.* ii. 35.
Pastinaca, *Swains. Lardn. Cycl. Fish.* ii. 319.
Fam. Trygones, *Müll. Wiegm. Arch.* 1845, 137.

1. TRYGON PASTINACA. Sting Ray. B. M.

Raja Pastinaca, *Linn. Syst. Nat.* i. 396. *Bloch, Ichth.* pl. 82. *Bloch, Schneid. Syst. Ichth.* 360. *Don. Brit. Fish.* v. pl. 99 ("Pastinacea"). *Turt. Brit. Faun.* 112. *Blainv. Faune Fr.* 35, pl. 6. *Jen. Man.* 518.
Pastinaca olivacea, *Swains. Lardn. Cycl. Fish.* ii. 319.
Pastinaca marina, *Will. Hist. Pisc.* 67, tab. C. 3.
La Raie Pastenaque, *Lacép. Poiss.* i. 114.
Trygon Pastinaca, *Flem. Brit. An.* 170. *Bonap. Faun. Ital.* 33, t. *Müll. & Henle, Plagiost.* 161. *Yarr. Brit. Fish.* 2 ed. ii. 588. *Parn. Wern. Mem.* vii. 440, t. 43. *Gray, Cat. Cart. Fish. B. M.* 118.
Trygon lymma, *Geoffr. St. Hil. Descr. Egypte.* 333, t. 27, f. 1.
Trygon vulgaris, *Risso, Eur. Mer.* iii. 160.
Sting-Ray, *Penn. Brit. Zool.* iii. 83. *Id.* (ed. 1812), iii. 125.
Fire Flaire. *Local name.*
Var. with two spines, Cardinal Trilost. *Cornwall.*
HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

Sub-order III. CYCLOSTOMI.

Diporobranchia, *Latr. Fam. R. A.* 112 (Gastrobranchus), 1826.
Marsipobranchii, *Bonap. Specchio Gen.* 11.
Helminthoidei, *Bonap. Specchio Gen.* 11.
Marsipobranchii seu Cyclostomi, *Müll. Wiegm. Arch.* 1845, 137.
Placoides, p., *Agassiz, Poiss. Foss.* iii. (1833).
Hyperoartii, *Müll. Wiegm. Arch.* 1845, 137.
Suceurs, *Cuv. R. A.* ii. 402 (1829).
Cyclostomes, *Dum. Zool. Anal.* 101 (1806).
Cyclostomata, *Rich. Faun. Bor.-Amer.* xii.
Cyclostomi, *Jen. Man. Parn. Fish. Firth of Forth*, 282. *Bonap. Specchio Gen.* 11. *Gray, Cat. Cart. Fish. B. M.* 136.

Fam. I. PETROMYZONIDÆ.

Dipterygii apodes et Achiri, p., *Bloch, Schneid. Syst.* 60.
Monopterygii apodes et Achiri, p. *Bloch, Schneid. Syst.* 60.
Lampredini, *Rafin. Indice*, 49.
Aulædibranchia, *Latr. Fam. R. A.* 111 (1826).
Petromyzonidæ, *Swains. Lardn. Cycl. Fish.* ii. 196.
Petromyzonidæ, Petromyzonini, *Bonap. Specchio Gen.* 11.
Petromyzidæ, *Gray, Syn. Brit. Mus.* 1842, 150. *Yarr. Brit. Fish.* ii. 598.
Petromyzonini, *Müller, Weigm. Arch.* 1845, 137.

1. PETROMYZON.

Petromyzon, *L.*

1. PETROMYZON MARINUS. Sea Lamprey. B. M.

Petromyzon marinus, *Linn. Syst. Nat.* i. 394. *Bloch, Ichth.* pl. 77. *Bloch, Schneid. Syst. Ichth.* 530. *Don. Brit. Fish.* iv. pl. 81. *Turt. Brit. Faun.* 109. *Flem. Brit. An.* 163. *Cuv. R. A.* ii. 404. *Blainv. Faune Fr.* ii. 5, t. 1, f. 1—2. *Jen. Man.* 520. *Yarr. Brit. Fish.* 2 ed. ii. 598. *Parn. Wern. Mem.* vii. 442. *Gray, Cat. Cart. Fish. B. M.* 138.
Lampetra Rondeletii, *Will. Hist. Pisc.* 105, tab. G. 2, f. 2.
Petromyzon maximus, *Cuv. R. A.* ii. 118 (ed. 1817).
Petromyzon Lamproie, *Lacép. Poiss.* i. 3, pl. 1, f. 1.
Sea Lamprey, *Penn. Brit. Zool.* iii. 67, pl. 8, No. 27. *Id.* (ed. 1812), iii. 102, pl. 10.
The Lamprey. *Yarrell.*
Var. P. Juræ, *Macculloch, West. Isl.* ii. 186, t. 29, f. 1.

HAB.—Coast.
Devonshire.
Firth of Forth. From Dr. Parnell's collection.

2. LAMPETRA.

Lampetra, sp., *Ray, Syn. Pisc.*
Petromyzon, sp., *Linn.*
Lampetra, *Gray, Proc. Zool. Soc.* 1851.

[B. M.

1. LAMPETRA FLUVIATILIS. The Lampern or River Lamprey.

Petromyzon fluviatilis, *Linn. Syst. Nat.* i. 394. *Bloch, Ichth.* pl. 78, f. 1. *Bloch, Schneid. Syst. Ichth.* 531. *Don. Brit. Fish.* iii. pl. 54. *Turt. Brit. Faun.* 110. *Flem. Brit. An.* 163. *Cuv. R. A.* ii. 404. *Blainv. Faune Fr.* ii. 6, t. 2, f. 1. *Jen. Man.* 521. *Yarr. Brit. Fish.* 2 edit. ii. 604. *Parn. Wern. Mem.* vii. 444.

Petromyzon fluviatilis, *Cuv. R. A.* ii. 118 (ed. 1817). *Rich. Faun. Bor.-Amer.* 294.

Lampetra fluviatilis, *Gray, Cat. Cart. Fish. B. M.* 140.

Lampetræ medium genus, *Will. Hist. Pisc.* 106, tab. G. 3, f. 2.

Var. Petromyzon Pricka, *Lacép. Poiss.* i. 18.

Lesser Lamprey, *Penn. Brit. Zool.* iii. 70, pl. 8, No. 28. *Id.* (ed. 1812), iii. 106, pl. 10.

Lampern, Nine-eyed Eel. *Scotland.*

HAB.—Rivers.

Thames. Presented by Mr. John Doubleday.

Devon. Mus. Leach.

2. LAMPETRA PLANERI. Fringed-lipped Lamprey. B. M.

Petromyzon Planeri, *Bloch, Ichth.* t. 78, f. 3. *Bloch, Schneid. Syst. Ichth.* 532. *Cuv. R. A.* ii. 404. *Nilss. Prod. Ichth. Scand.* 122. *Blainv. Faune Fr.* ii. 8, t. 1, f. 3. *Jen. Man.* 522. *Yarr. Brit. Fish.* 2 ed. ii. 607. *Parn. Wern. Mem.* vii. 446.

Lampetra parva et fluviatilis, *Will. Hist. Pisc.* 104, tab. G. 2, f. 1?

Lampetra Planeri, *Gray, Cat. Cart. Fish. B. M.* 141.

Var. Petromyzon sanguisuga, *Lacép. Poiss.* ii. 101.

Le Petromyzon Planer, *Lacép. Poiss.* i. 30, pl. 3, f. 1.

Fringed-lipped Lamprey. *Yarrell.*

HAB.—Rivers.

Devonshire.

Firth of Forth. From Dr. Parnell's collection.

3. AMMOCÆTES.

Ammocætes, *Dumeril.*

Petromyzon, p., *Linn.*

1. AMMOCÆTES BRANCHIALIS. The Pride or Sandpiper. B. M.

Ammocætes branchialis, *Flem. Brit. An.* 164. *Blainv. Faune Fr.* ii. 3, t. 2, f. 3 & 4. *Jen. Man.* 522. *Yarr. Brit. Fish.* 2 ed. ii. 609. *Parn. Wern. Mem.* vii. 447. *Gray, Cat. Cart. Fish. B. M.* 145.
Petromyzon branchialis, *Linn. Syst. Nat.* ii. 394. *Bloch, Ichth.* pl. 78, f. 2. *Bloch, Schneid. Syst. Ichth.* 532. *Turt. Brit. Faun.* 110.
Le Petromyzon lamproyon, *Lacép. Poiss.* i. 26, pl. 2, f. 1.
Var. Petromyzon ruber, *Lacép. Poiss.* ii. 100.
Petromyzon cæcus, *Couch, Loud. Mag. of Nat. Hist.* v. 23, f. 10.
Lampetra cæca, *Will. Hist. Pisc.* 107, fig. G. 3, f. 1. *Ray. Syn. Pisc.* 36.
Pride, *Plot, Oxfordsh.* 187, pl. 10. *Penn. Brit. Zool.* iii. 71, pl. 8, No. 29. *Id.* (ed. 1812), iii. 107, pl. 10.
Stone-grig. *Local name.*
Sand-pride. *Hampton.*
Mud Lamprey. *Local name.*

HAB.—Rivers.
Eton. Presented by Dr. Goodall.
Tweed, River Allan. From Dr. Parnell's collection.

Fam. II. MYXINIDÆ.

Myxinia, *Rafin. Anal. Nat.* 98.
Myxinidæ, Myxinini, *Bonap. Specchio Gen.* 11.
Myxinoidei, *Müller, Wieym. Arch.* 1845, 138.
Hyperotreti, *Müller, Wiegm. Arch.* 1845, 138.

1. MYXINE.

Myxine, *Linn. Syst. Nat.*
Gastrobranchus, *Bloch.*

1. MYXINE GLUTINOSA. The Glutinous Hag or Myxine. B. M.

Myxine glutinosa, *Linn. Syst. Nat.* i. 1080. *Flem. Brit. An.* 164. *Nilss. Prod. Ichth. Scand.* 123. *Jen. Man.* 523. *Wright, Ekstr. & Sundev. Skand. Fisk.* 121, t. 28. *Gray, Cat. Cart. Fish. B. M.* 147.

Petromyzon Myxine, *Walb. Artedi*, iii. 500.
Gastrobranchus cæcus, *Bloch, Ichth.* pl. 413. *Bloch, Schneid. Syst. Ichth.* 103, f. 2. *Shaw, Nat. Misc.* x. pl. 362. *Turt. Brit. Faun.* 110. *Yarr. Brit. Fish.* 2 ed. ii. 612.
Myxine cæca, *Blainv. Faune Fr.* ii. 2, t. 1, *a.*
Glutinous Hag, *Penn. Brit. Zool.* iv. 33, pl. 20, f. 15. *Id.* (edit. 1812), iii. 109.
Le Gastrobranche aveugle, *Lacép. Poiss.* i. 525.
Borer. *Local name.*

Hab.—Coast.
Yorkshire. Presented by Rev. J. Dalton.
Berwick. From Dr. Parnell's collection.

Fam. III. AMPHIOXIDÆ.

Amphioxidæ, *Gray, Syn. Brit. Mus.* 1842, 150. *Gray, Cat. Cart. Fish. B. M.* 149.
Branchiostomidæ, Branchiostomini, *Bonap. Specchio Gen.* 11.
Petromyzidæ, p., *Yarr. Brit. Fish.* 2 edit. ii. 618.
Leptocardii, Amphioxini, *Müll. Wiegm. Arch.* 1845, 138.

1. BRANCHIOSTOMA.

Branchiostoma, *Costa, Faun. R. Nap.* 1834.
Limax, p., *Pallas. Spic. Zool.*
Amphioxus, *Gray, in Yarr. Brit. Fish.* ii. (1836).

1. Branchiostoma lanceolatum. The Lancelet. B. M.

Amphioxus lanceolatus, *Yarr. Brit. Fish.* 2 ed. ii. 618. *Couch, Mag. Nat. Hist.* 1838, *and Corn. Faun.* 54. *Goodsir, Trans. Roy. Soc. Edin.* xv. 1 (1841), *Anat. Gray, Cat. Cart. Fish. B. M.* 150.
Limax lanceolatus, *Pallas, Spic. Zool.* x. 19, t. 1, f. 11.
Branchiostoma lubricum, *Costa, Faun. Nap.* t. 30.
Branchiostoma lanceolatum, *Bonap. Pesc. Eur.* 92.

Hab.—Coast.
In spirits. Polperro. Presented by Jonathan Couch, Esq.

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PRINTED BY E. NEWMAN, DEVONSHIRE ST., BISHOPSGATE

00033195

Digitized with financial assistance from the
Government of Maharashtra
on 10 February, 2016